

Pantheon Report

Generated at 2018-03-28 04:43:54 (UTC).

Data path: AWS California 1 Ethernet (*local*) → Stanford Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

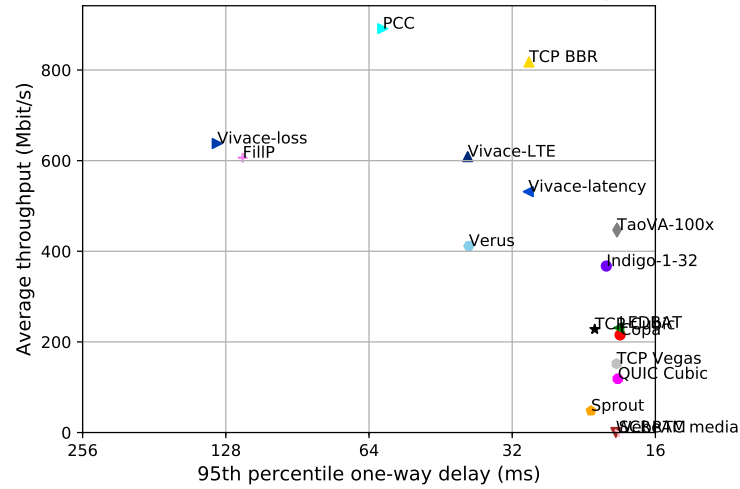
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

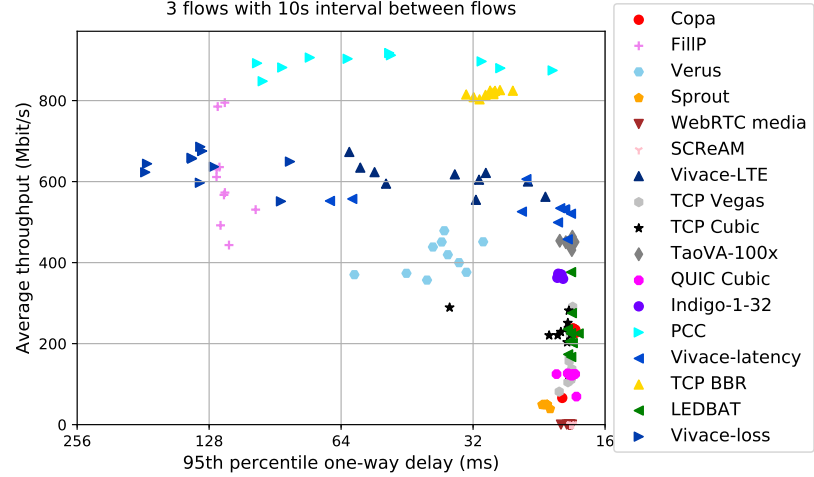
Git summary:

```
branch: master @ 503f51fe03f703a4c0a826a0792a4fead3e7d1b0
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ f271183af822eee5d0031620f4bebf38aedc5581
```

test from AWS California 1 Ethernet to Stanford Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS California 1 Ethernet to Stanford Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows



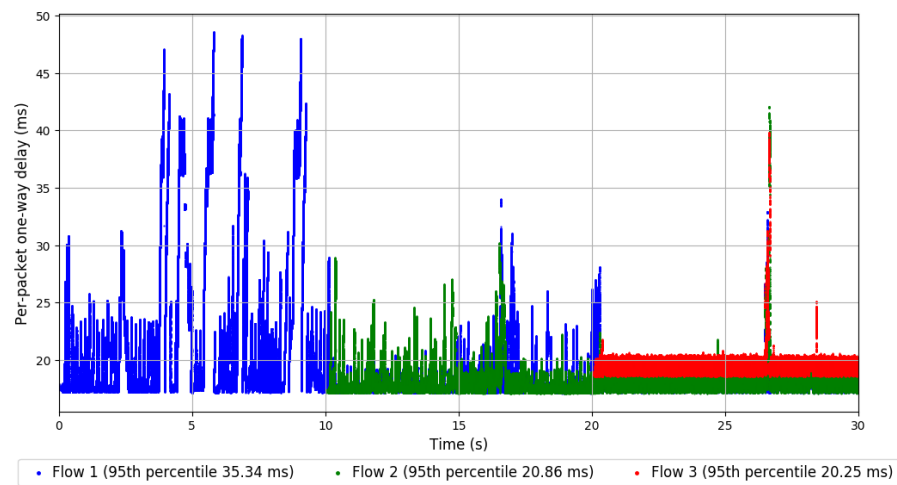
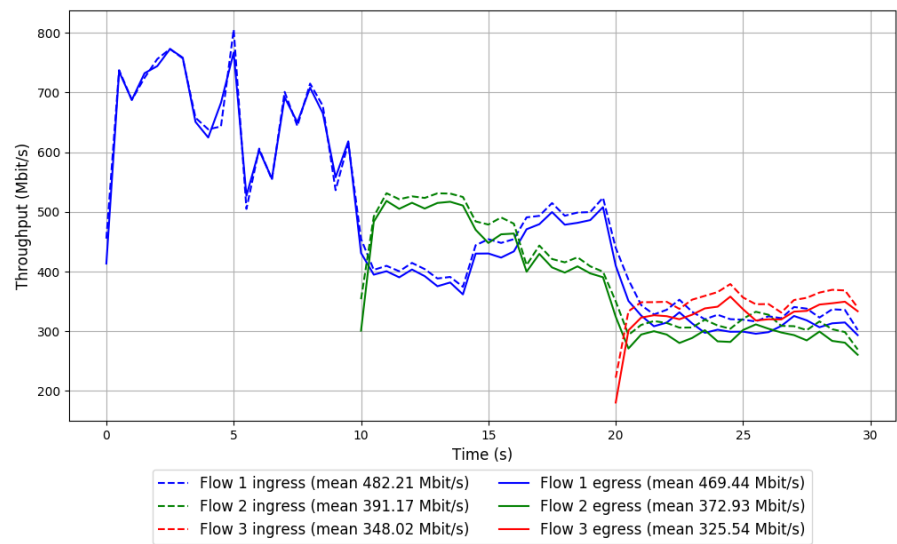
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	474.47	369.30	295.28	34.45	21.38	20.33	2.56	4.92	6.40
TCP Cubic	10	111.19	116.82	117.13	21.99	21.44	19.24	0.04	0.09	0.06
LEDBAT	10	125.86	110.42	95.53	18.99	18.81	18.96	0.02	0.03	0.03
PCC	10	733.33	192.14	91.62	63.77	19.90	19.90	1.07	0.67	0.65
QUIC Cubic	10	59.92	62.56	52.64	19.12	19.24	19.66	0.01	0.01	0.02
SCReAM	10	0.22	0.22	0.22	18.97	18.67	19.13	0.00	0.00	0.00
WebRTC media	10	0.06	0.06	0.05	19.46	19.20	19.50	0.00	0.24	0.07
Sprout	10	24.21	24.12	23.70	22.02	21.32	21.57	1.37	1.41	1.81
TaoVA-100x	10	230.94	221.74	205.90	18.37	19.11	20.31	0.04	0.04	0.03
TCP Vegas	10	76.54	63.07	100.25	18.92	19.01	19.38	0.07	0.12	0.10
Verus	10	220.69	205.63	163.68	47.31	31.24	28.50	14.99	13.72	14.04
Copa	10	106.47	105.37	117.11	18.83	18.98	19.04	0.04	0.04	0.05
FillP	10	358.78	226.22	293.13	118.66	94.20	84.59	11.38	15.52	16.81
Indigo-1-32	10	190.74	184.13	171.52	19.64	20.26	21.43	0.03	0.03	0.04
Vivace-latency	10	307.07	265.76	145.04	29.78	30.26	19.56	0.12	0.14	0.28
Vivace-loss	10	363.55	313.38	200.27	142.02	83.66	20.73	2.10	1.26	1.62
Vivace-LTE	10	360.06	303.93	141.93	52.55	34.80	19.76	0.34	0.34	0.72

Run 1: Statistics of TCP BBR

Start at: 2018-03-27 19:16:14
End at: 2018-03-27 19:16:44
Local clock offset: 0.716 ms
Remote clock offset: -5.929 ms

Below is generated by plot.py at 2018-03-28 02:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 825.96 Mbit/s
95th percentile per-packet one-way delay: 27.788 ms
Loss rate: 3.77%
-- Flow 1:
Average throughput: 469.44 Mbit/s
95th percentile per-packet one-way delay: 35.344 ms
Loss rate: 2.64%
-- Flow 2:
Average throughput: 372.93 Mbit/s
95th percentile per-packet one-way delay: 20.860 ms
Loss rate: 4.65%
-- Flow 3:
Average throughput: 325.54 Mbit/s
95th percentile per-packet one-way delay: 20.247 ms
Loss rate: 6.46%

Run 1: Report of TCP BBR — Data Link

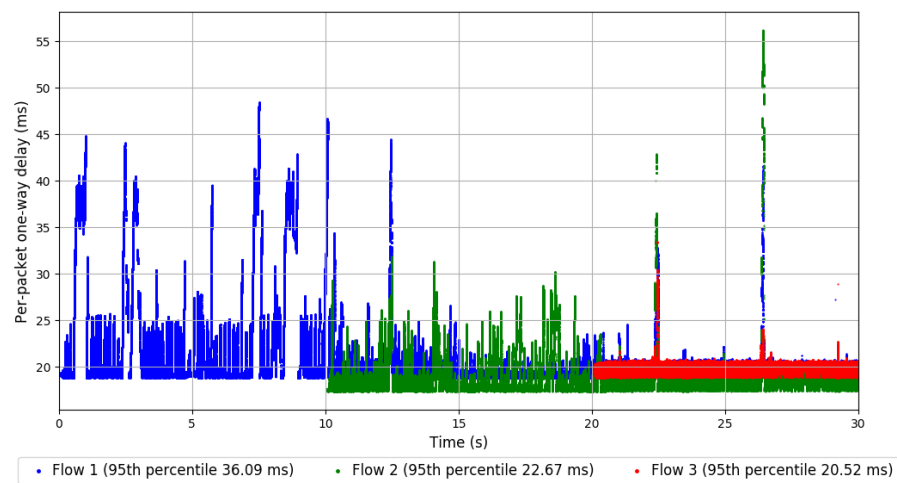
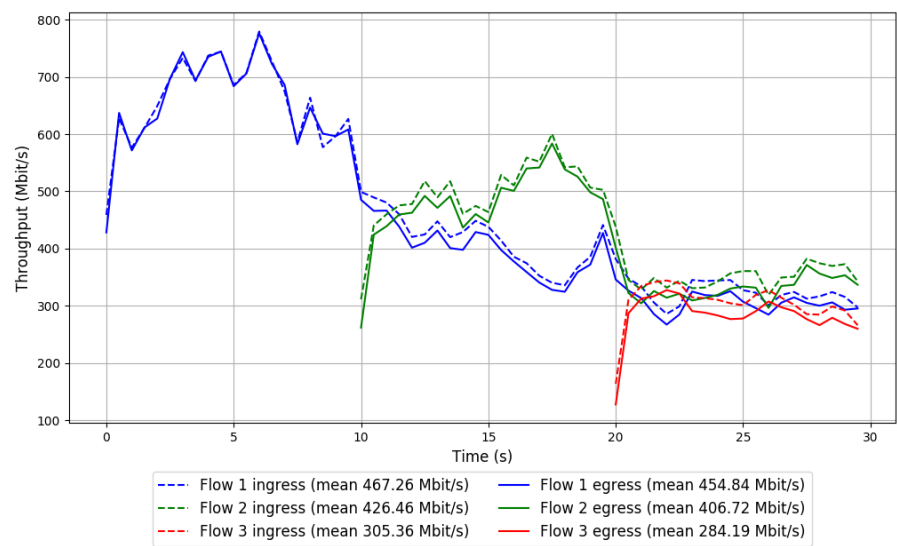


Run 2: Statistics of TCP BBR

Start at: 2018-03-27 19:44:58
End at: 2018-03-27 19:45:28
Local clock offset: -0.487 ms
Remote clock offset: -6.153 ms

Below is generated by plot.py at 2018-03-28 02:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 819.94 Mbit/s
95th percentile per-packet one-way delay: 28.761 ms
Loss rate: 3.82%
-- Flow 1:
Average throughput: 454.84 Mbit/s
95th percentile per-packet one-way delay: 36.087 ms
Loss rate: 2.66%
-- Flow 2:
Average throughput: 406.72 Mbit/s
95th percentile per-packet one-way delay: 22.672 ms
Loss rate: 4.63%
-- Flow 3:
Average throughput: 284.19 Mbit/s
95th percentile per-packet one-way delay: 20.515 ms
Loss rate: 6.94%

Run 2: Report of TCP BBR — Data Link

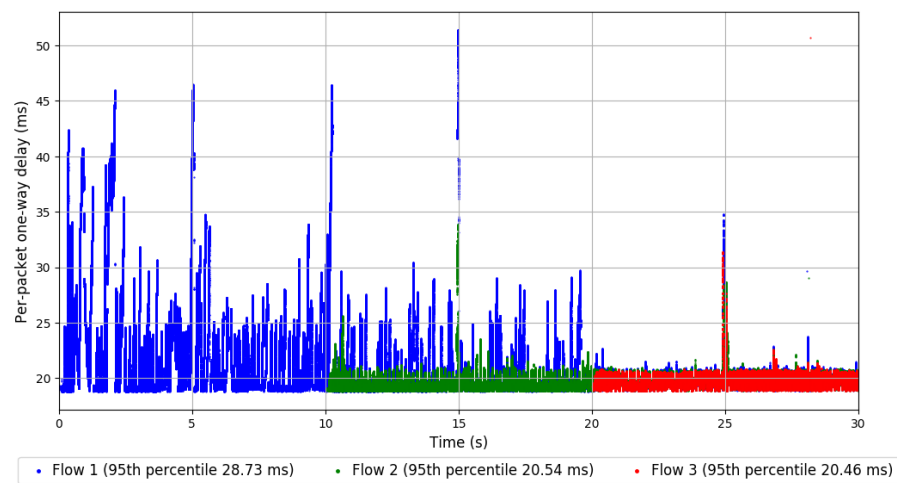
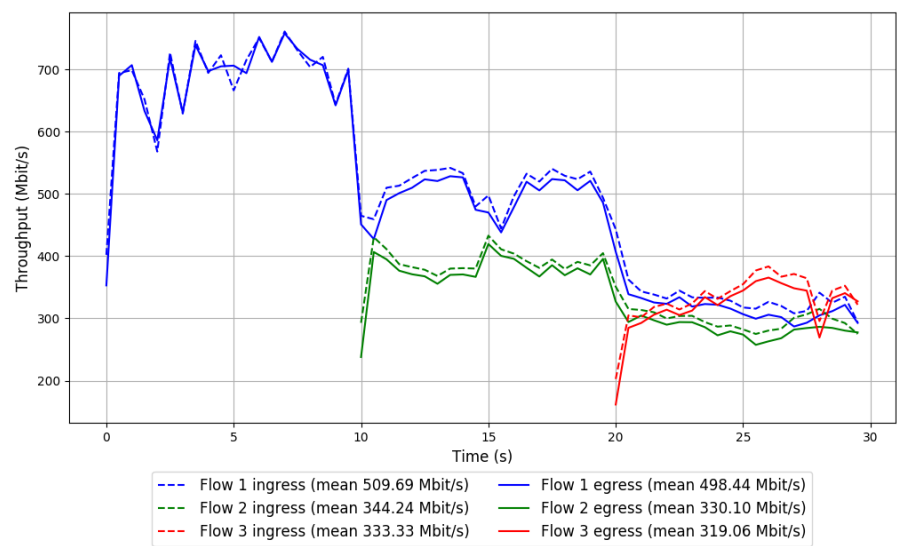


Run 3: Statistics of TCP BBR

Start at: 2018-03-27 20:13:45
End at: 2018-03-27 20:14:15
Local clock offset: 1.021 ms
Remote clock offset: -5.145 ms

Below is generated by plot.py at 2018-03-28 02:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 824.43 Mbit/s
95th percentile per-packet one-way delay: 25.971 ms
Loss rate: 2.99%
-- Flow 1:
Average throughput: 498.44 Mbit/s
95th percentile per-packet one-way delay: 28.735 ms
Loss rate: 2.21%
-- Flow 2:
Average throughput: 330.10 Mbit/s
95th percentile per-packet one-way delay: 20.536 ms
Loss rate: 4.11%
-- Flow 3:
Average throughput: 319.06 Mbit/s
95th percentile per-packet one-way delay: 20.464 ms
Loss rate: 4.28%

Run 3: Report of TCP BBR — Data Link

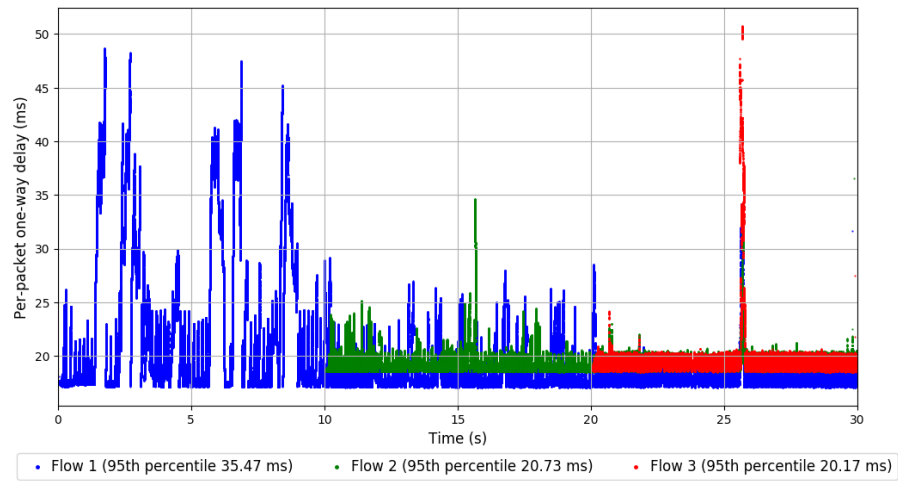
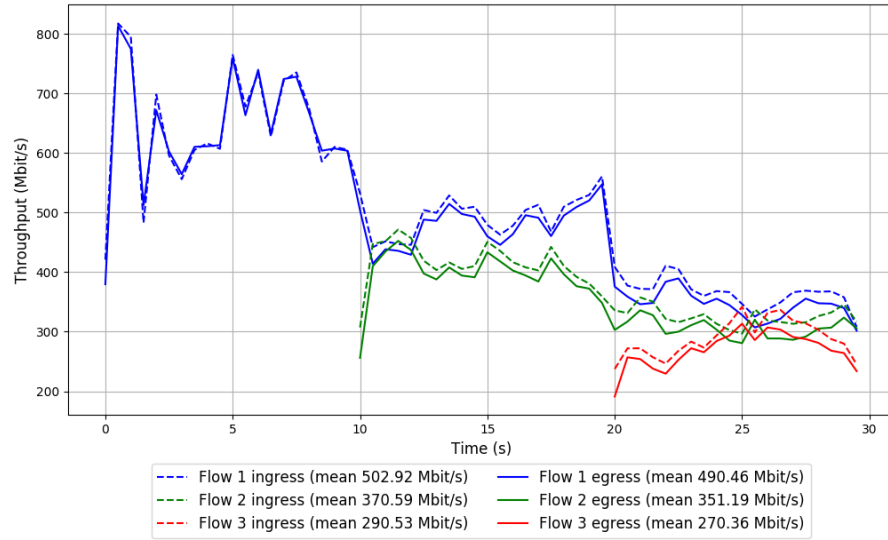


Run 4: Statistics of TCP BBR

Start at: 2018-03-27 20:42:04
End at: 2018-03-27 20:42:34
Local clock offset: 2.45 ms
Remote clock offset: -5.392 ms

Below is generated by plot.py at 2018-03-28 02:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 814.08 Mbit/s
95th percentile per-packet one-way delay: 29.976 ms
Loss rate: 3.79%
-- Flow 1:
Average throughput: 490.46 Mbit/s
95th percentile per-packet one-way delay: 35.472 ms
Loss rate: 2.47%
-- Flow 2:
Average throughput: 351.19 Mbit/s
95th percentile per-packet one-way delay: 20.732 ms
Loss rate: 5.23%
-- Flow 3:
Average throughput: 270.36 Mbit/s
95th percentile per-packet one-way delay: 20.168 ms
Loss rate: 6.94%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-03-27 21:10:51

End at: 2018-03-27 21:11:21

Local clock offset: 0.51 ms

Remote clock offset: -4.95 ms

Below is generated by plot.py at 2018-03-28 02:42:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 808.47 Mbit/s

95th percentile per-packet one-way delay: 31.900 ms

Loss rate: 4.23%

-- Flow 1:

Average throughput: 485.05 Mbit/s

95th percentile per-packet one-way delay: 35.971 ms

Loss rate: 2.65%

-- Flow 2:

Average throughput: 338.10 Mbit/s

95th percentile per-packet one-way delay: 20.501 ms

Loss rate: 5.70%

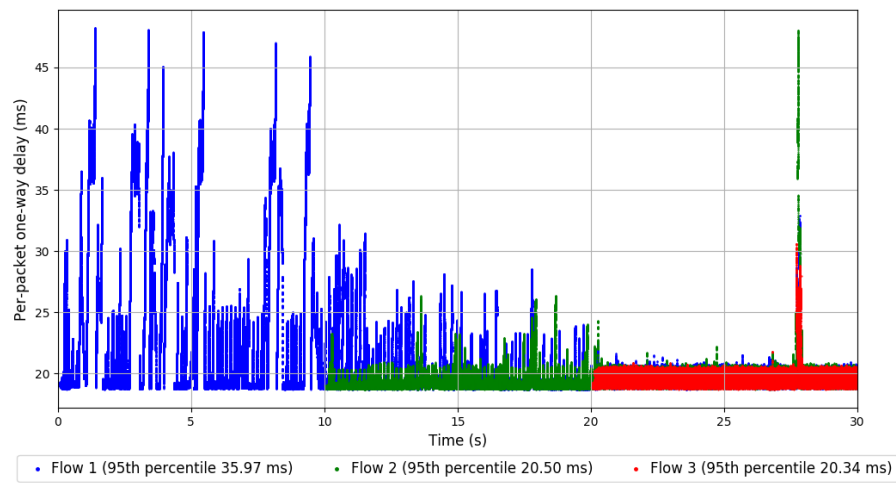
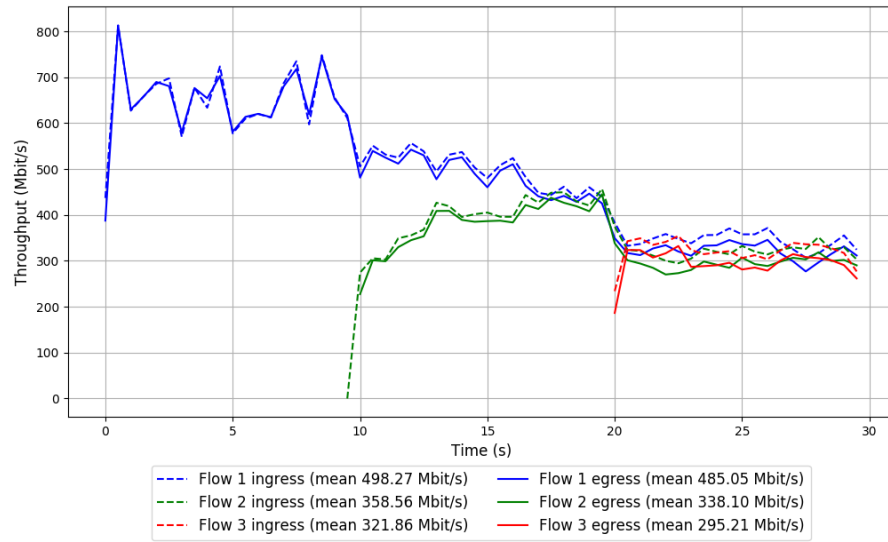
-- Flow 3:

Average throughput: 295.21 Mbit/s

95th percentile per-packet one-way delay: 20.344 ms

Loss rate: 8.27%

Run 5: Report of TCP BBR — Data Link

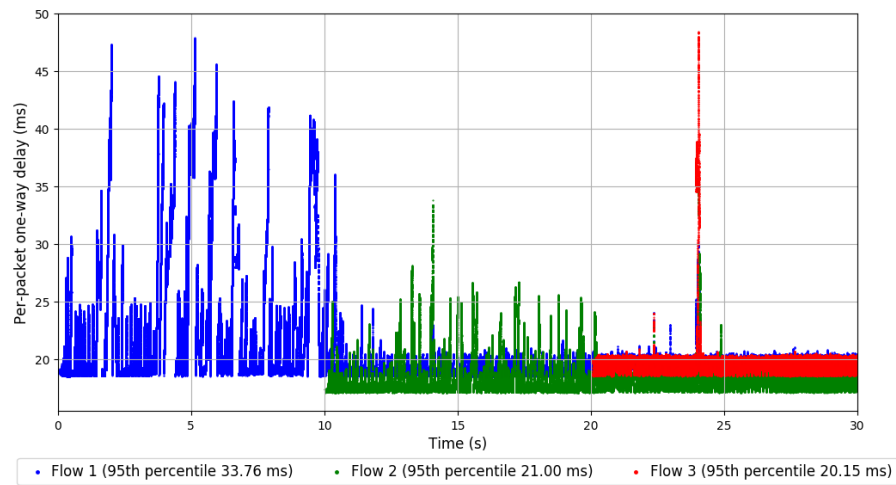
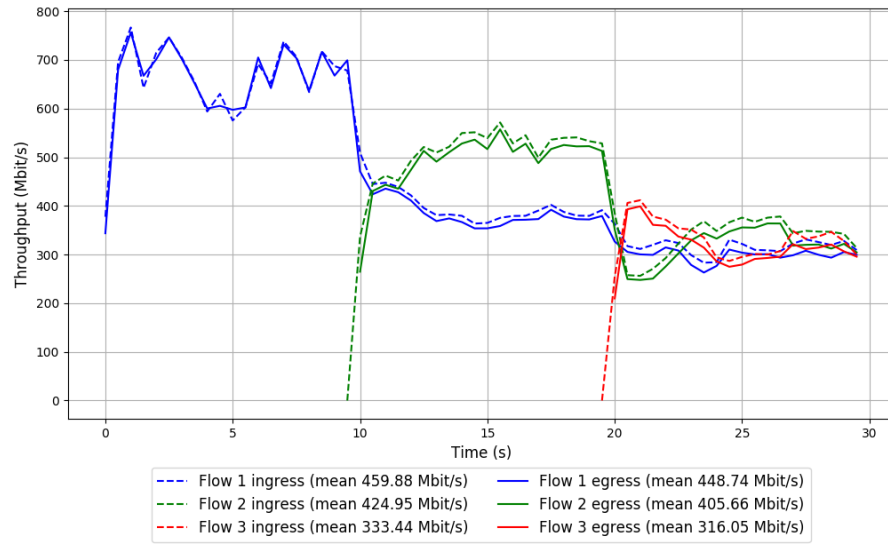


Run 6: Statistics of TCP BBR

Start at: 2018-03-27 21:39:44
End at: 2018-03-27 21:40:14
Local clock offset: -1.84 ms
Remote clock offset: -4.538 ms

Below is generated by plot.py at 2018-03-28 02:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 824.11 Mbit/s
95th percentile per-packet one-way delay: 28.516 ms
Loss rate: 3.48%
-- Flow 1:
Average throughput: 448.74 Mbit/s
95th percentile per-packet one-way delay: 33.755 ms
Loss rate: 2.42%
-- Flow 2:
Average throughput: 405.66 Mbit/s
95th percentile per-packet one-way delay: 21.005 ms
Loss rate: 4.53%
-- Flow 3:
Average throughput: 316.05 Mbit/s
95th percentile per-packet one-way delay: 20.149 ms
Loss rate: 5.22%

Run 6: Report of TCP BBR — Data Link

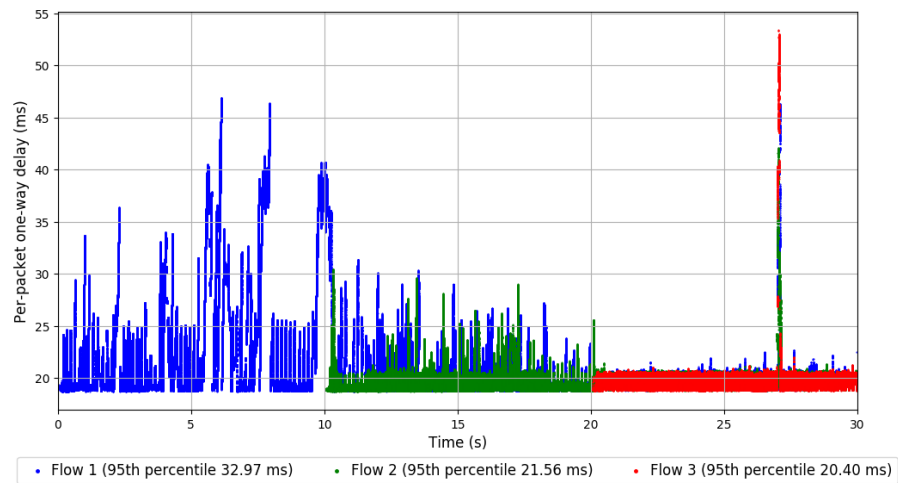
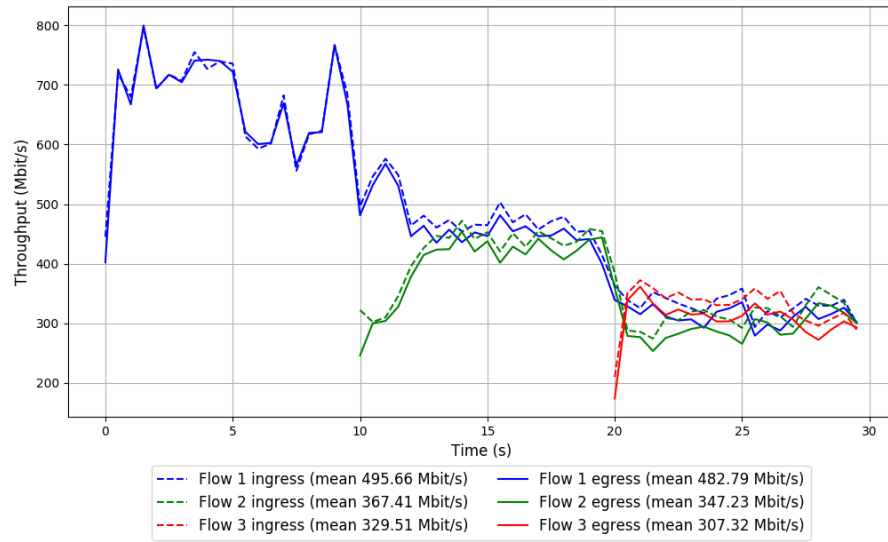


Run 7: Statistics of TCP BBR

Start at: 2018-03-27 22:08:41
End at: 2018-03-27 22:09:11
Local clock offset: 1.014 ms
Remote clock offset: -5.152 ms

Below is generated by plot.py at 2018-03-28 02:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 815.94 Mbit/s
95th percentile per-packet one-way delay: 28.759 ms
Loss rate: 3.96%
-- Flow 1:
Average throughput: 482.79 Mbit/s
95th percentile per-packet one-way delay: 32.968 ms
Loss rate: 2.59%
-- Flow 2:
Average throughput: 347.23 Mbit/s
95th percentile per-packet one-way delay: 21.562 ms
Loss rate: 5.49%
-- Flow 3:
Average throughput: 307.32 Mbit/s
95th percentile per-packet one-way delay: 20.399 ms
Loss rate: 6.73%

Run 7: Report of TCP BBR — Data Link

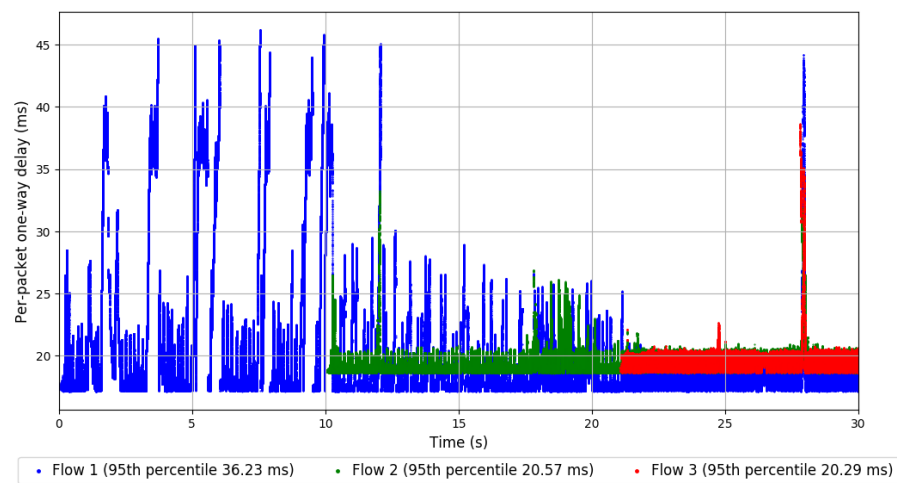
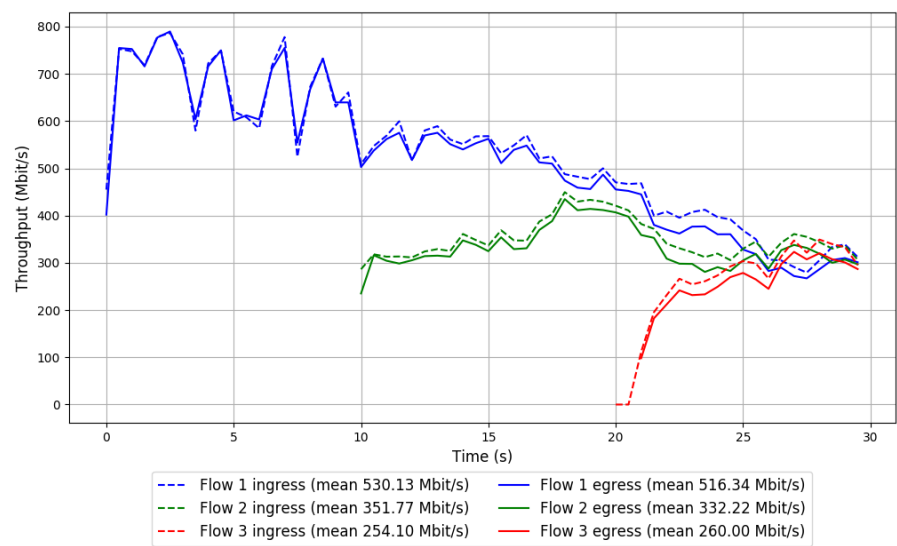


Run 8: Statistics of TCP BBR

Start at: 2018-03-27 22:37:30
End at: 2018-03-27 22:38:00
Local clock offset: 0.87 ms
Remote clock offset: -6.677 ms

Below is generated by plot.py at 2018-03-28 02:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 815.12 Mbit/s
95th percentile per-packet one-way delay: 33.172 ms
Loss rate: 3.96%
-- Flow 1:
Average throughput: 516.34 Mbit/s
95th percentile per-packet one-way delay: 36.230 ms
Loss rate: 2.60%
-- Flow 2:
Average throughput: 332.22 Mbit/s
95th percentile per-packet one-way delay: 20.575 ms
Loss rate: 5.55%
-- Flow 3:
Average throughput: 260.00 Mbit/s
95th percentile per-packet one-way delay: 20.289 ms
Loss rate: 8.03%

Run 8: Report of TCP BBR — Data Link

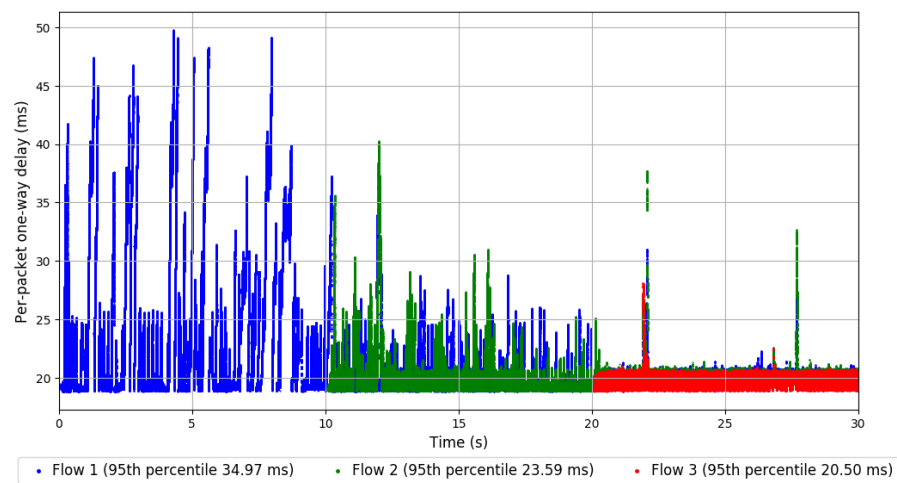
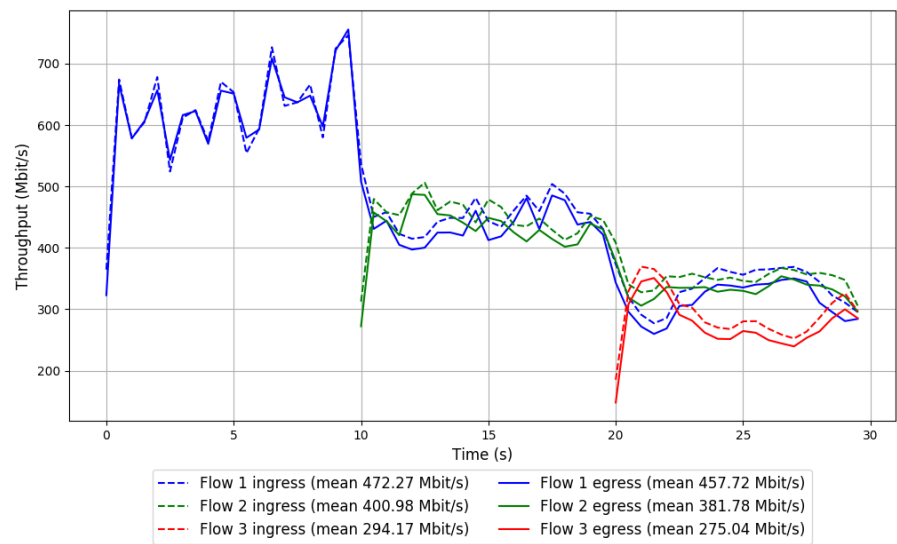


Run 9: Statistics of TCP BBR

Start at: 2018-03-27 23:06:15
End at: 2018-03-27 23:06:45
Local clock offset: 1.986 ms
Remote clock offset: -6.703 ms

Below is generated by plot.py at 2018-03-28 02:54:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 803.13 Mbit/s
95th percentile per-packet one-way delay: 30.933 ms
Loss rate: 4.02%
-- Flow 1:
Average throughput: 457.72 Mbit/s
95th percentile per-packet one-way delay: 34.974 ms
Loss rate: 3.08%
-- Flow 2:
Average throughput: 381.78 Mbit/s
95th percentile per-packet one-way delay: 23.591 ms
Loss rate: 4.79%
-- Flow 3:
Average throughput: 275.04 Mbit/s
95th percentile per-packet one-way delay: 20.496 ms
Loss rate: 6.50%

Run 9: Report of TCP BBR — Data Link

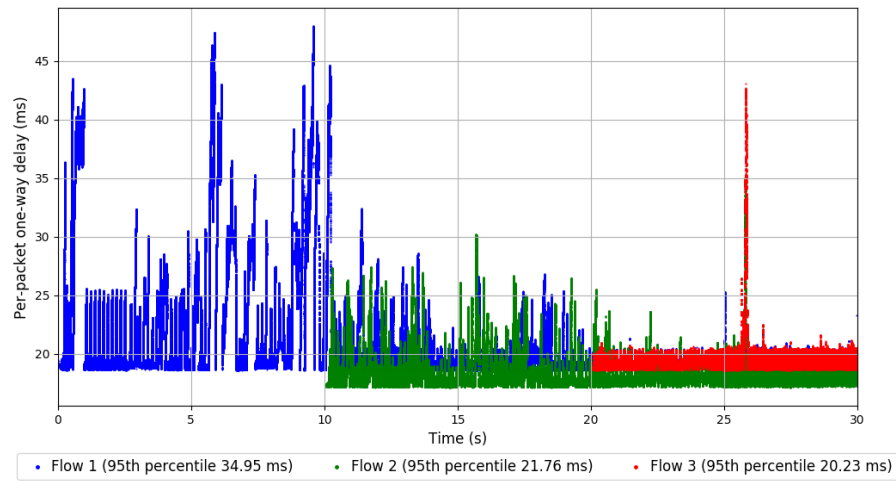
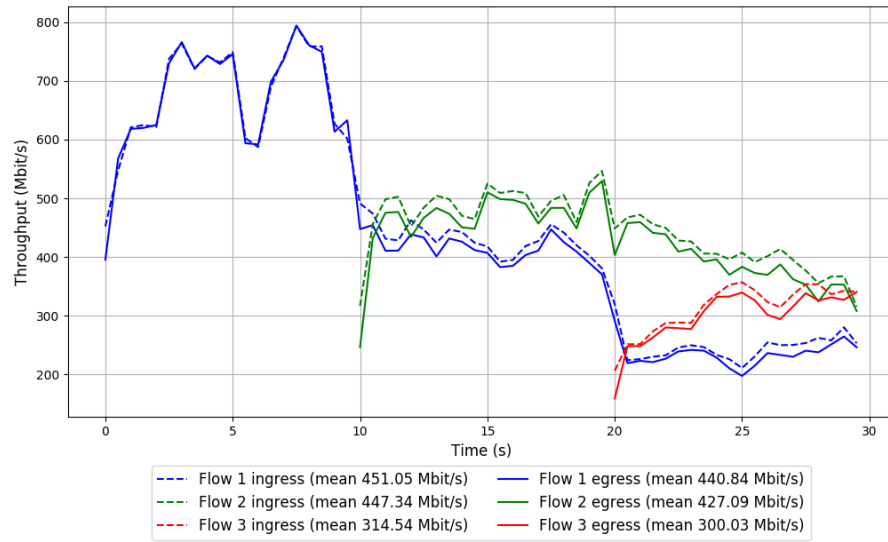


Run 10: Statistics of TCP BBR

Start at: 2018-03-27 23:35:11
End at: 2018-03-27 23:35:41
Local clock offset: 3.183 ms
Remote clock offset: -6.081 ms

Below is generated by plot.py at 2018-03-28 02:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 824.73 Mbit/s
95th percentile per-packet one-way delay: 29.258 ms
Loss rate: 3.33%
-- Flow 1:
Average throughput: 440.84 Mbit/s
95th percentile per-packet one-way delay: 34.945 ms
Loss rate: 2.25%
-- Flow 2:
Average throughput: 427.09 Mbit/s
95th percentile per-packet one-way delay: 21.763 ms
Loss rate: 4.53%
-- Flow 3:
Average throughput: 300.03 Mbit/s
95th percentile per-packet one-way delay: 20.230 ms
Loss rate: 4.61%

Run 10: Report of TCP BBR — Data Link

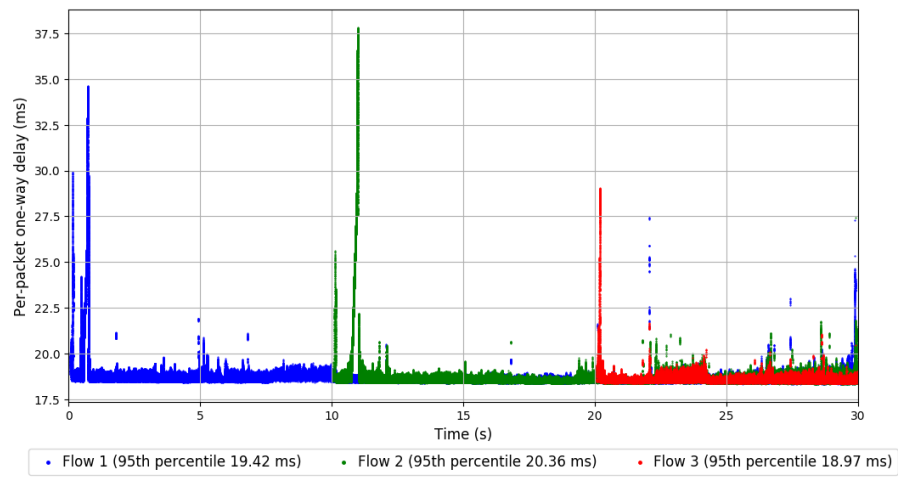
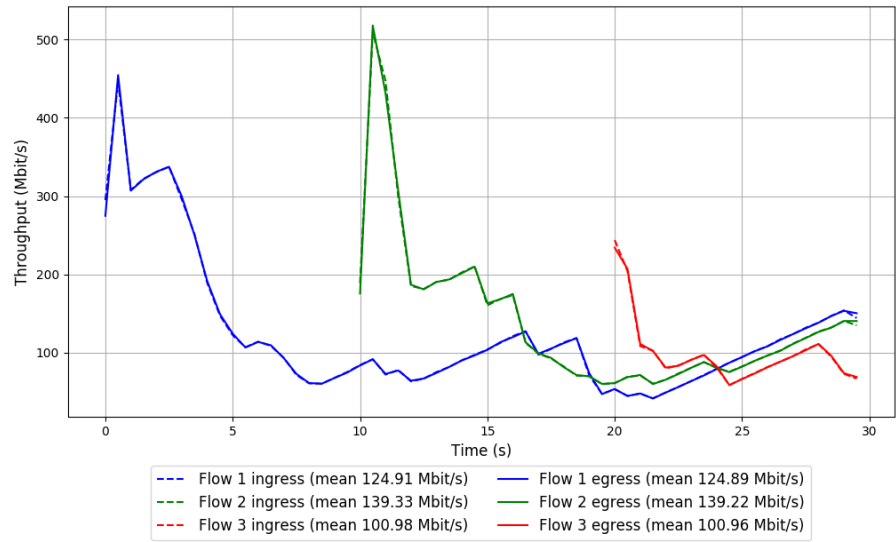


Run 1: Statistics of TCP Cubic

Start at: 2018-03-27 19:11:49
End at: 2018-03-27 19:12:19
Local clock offset: 1.79 ms
Remote clock offset: -6.001 ms

Below is generated by plot.py at 2018-03-28 02:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 251.16 Mbit/s
95th percentile per-packet one-way delay: 19.457 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 124.89 Mbit/s
95th percentile per-packet one-way delay: 19.419 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 139.22 Mbit/s
95th percentile per-packet one-way delay: 20.357 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 100.96 Mbit/s
95th percentile per-packet one-way delay: 18.971 ms
Loss rate: 0.02%

Run 1: Report of TCP Cubic — Data Link

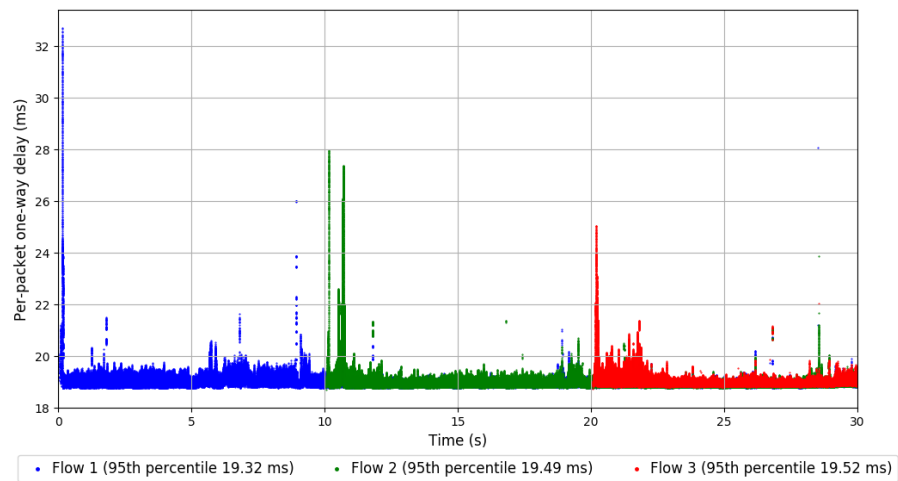
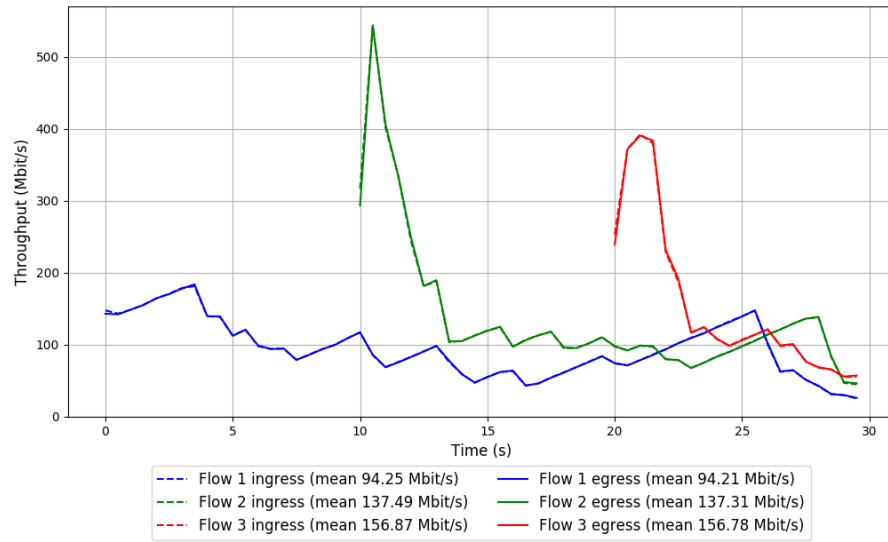


Run 2: Statistics of TCP Cubic

Start at: 2018-03-27 19:40:31
End at: 2018-03-27 19:41:01
Local clock offset: -0.598 ms
Remote clock offset: -6.136 ms

Below is generated by plot.py at 2018-03-28 02:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 237.65 Mbit/s
95th percentile per-packet one-way delay: 19.404 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 94.21 Mbit/s
95th percentile per-packet one-way delay: 19.319 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 137.31 Mbit/s
95th percentile per-packet one-way delay: 19.489 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 156.78 Mbit/s
95th percentile per-packet one-way delay: 19.518 ms
Loss rate: 0.05%

Run 2: Report of TCP Cubic — Data Link

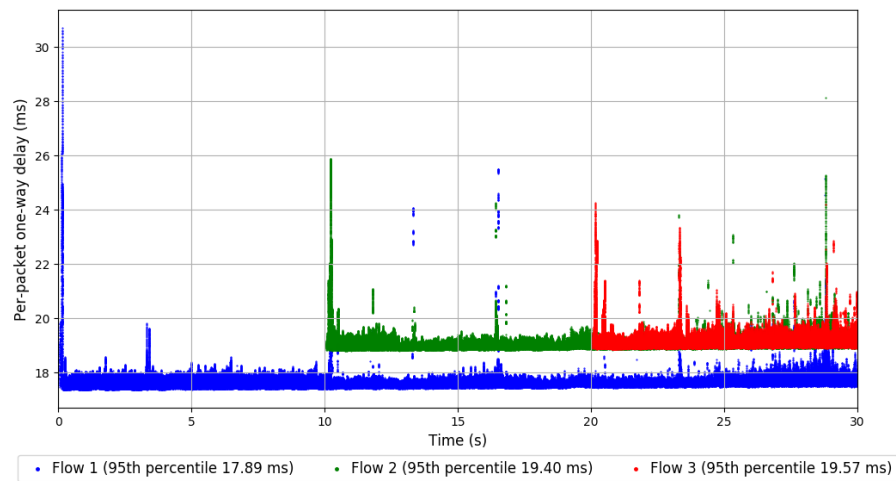
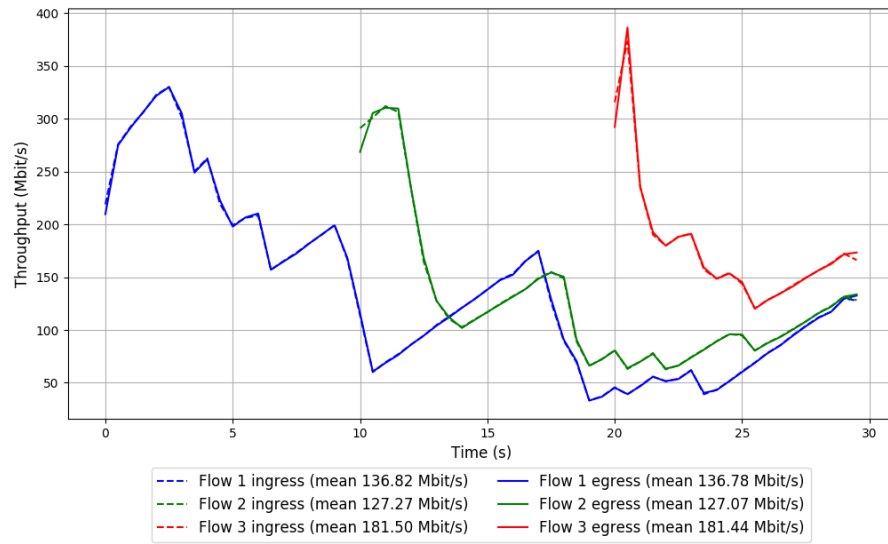


Run 3: Statistics of TCP Cubic

Start at: 2018-03-27 20:09:16
End at: 2018-03-27 20:09:46
Local clock offset: 0.106 ms
Remote clock offset: -5.257 ms

Below is generated by plot.py at 2018-03-28 02:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 281.61 Mbit/s
95th percentile per-packet one-way delay: 19.352 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 136.78 Mbit/s
95th percentile per-packet one-way delay: 17.894 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 127.07 Mbit/s
95th percentile per-packet one-way delay: 19.398 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 181.44 Mbit/s
95th percentile per-packet one-way delay: 19.566 ms
Loss rate: 0.03%

Run 3: Report of TCP Cubic — Data Link

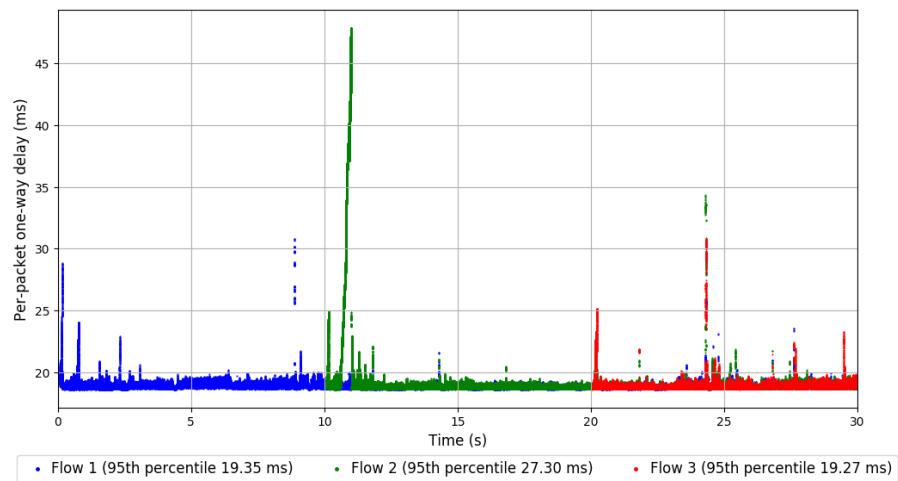
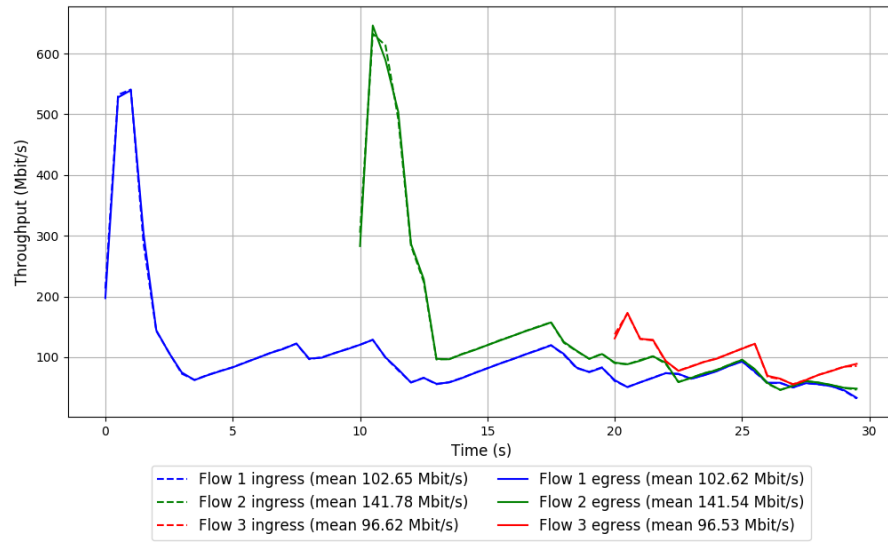


Run 4: Statistics of TCP Cubic

Start at: 2018-03-27 20:37:45
End at: 2018-03-27 20:38:15
Local clock offset: 2.593 ms
Remote clock offset: -5.464 ms

Below is generated by plot.py at 2018-03-28 02:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 228.95 Mbit/s
95th percentile per-packet one-way delay: 20.181 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 102.62 Mbit/s
95th percentile per-packet one-way delay: 19.348 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 141.54 Mbit/s
95th percentile per-packet one-way delay: 27.304 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 19.265 ms
Loss rate: 0.08%

Run 4: Report of TCP Cubic — Data Link

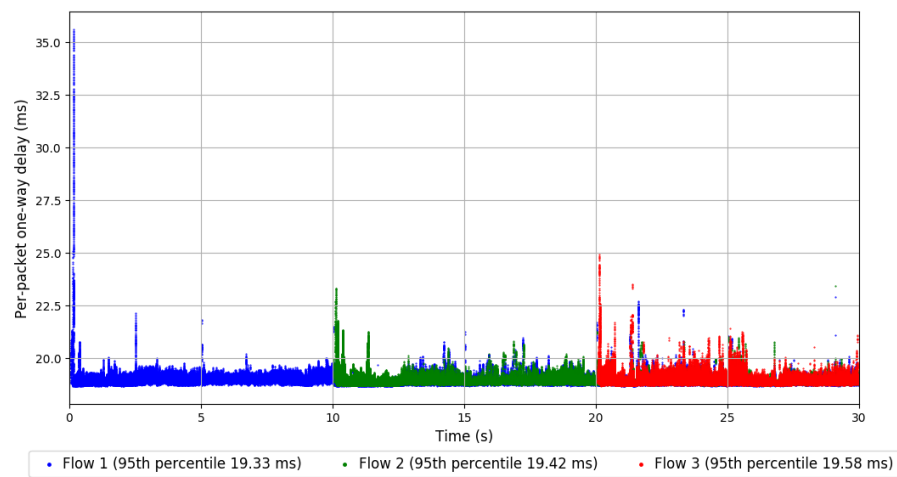
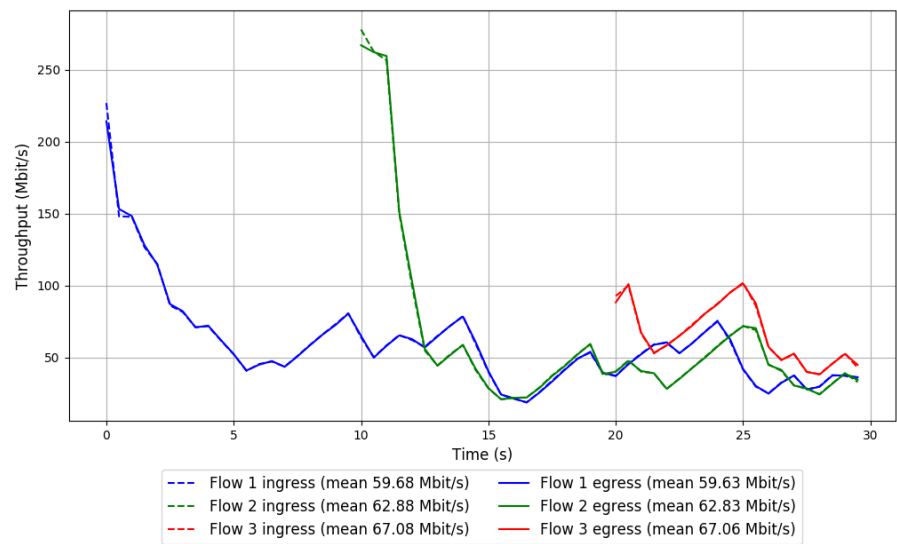


Run 5: Statistics of TCP Cubic

Start at: 2018-03-27 21:06:28
End at: 2018-03-27 21:06:58
Local clock offset: 0.57 ms
Remote clock offset: -5.012 ms

Below is generated by plot.py at 2018-03-28 02:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 123.75 Mbit/s
95th percentile per-packet one-way delay: 19.410 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 59.63 Mbit/s
95th percentile per-packet one-way delay: 19.333 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 62.83 Mbit/s
95th percentile per-packet one-way delay: 19.424 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 67.06 Mbit/s
95th percentile per-packet one-way delay: 19.582 ms
Loss rate: 0.04%

Run 5: Report of TCP Cubic — Data Link

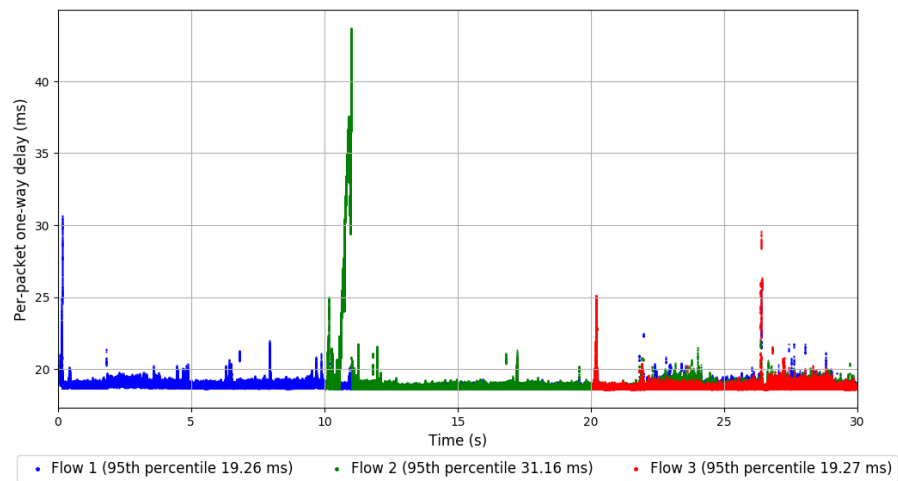
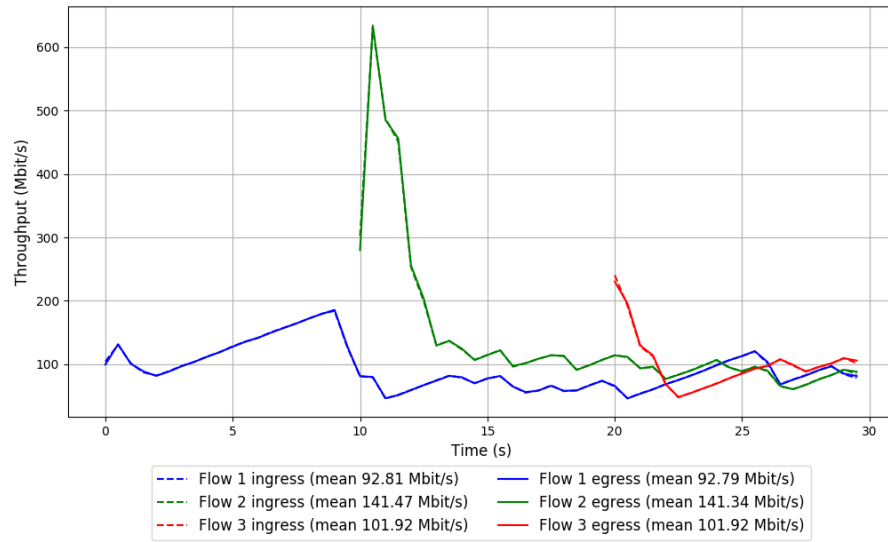


Run 6: Statistics of TCP Cubic

Start at: 2018-03-27 21:35:18
End at: 2018-03-27 21:35:48
Local clock offset: -1.639 ms
Remote clock offset: -4.537 ms

Below is generated by plot.py at 2018-03-28 02:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 220.76 Mbit/s
95th percentile per-packet one-way delay: 20.518 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 92.79 Mbit/s
95th percentile per-packet one-way delay: 19.257 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 141.34 Mbit/s
95th percentile per-packet one-way delay: 31.159 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 101.92 Mbit/s
95th percentile per-packet one-way delay: 19.271 ms
Loss rate: 0.05%

Run 6: Report of TCP Cubic — Data Link

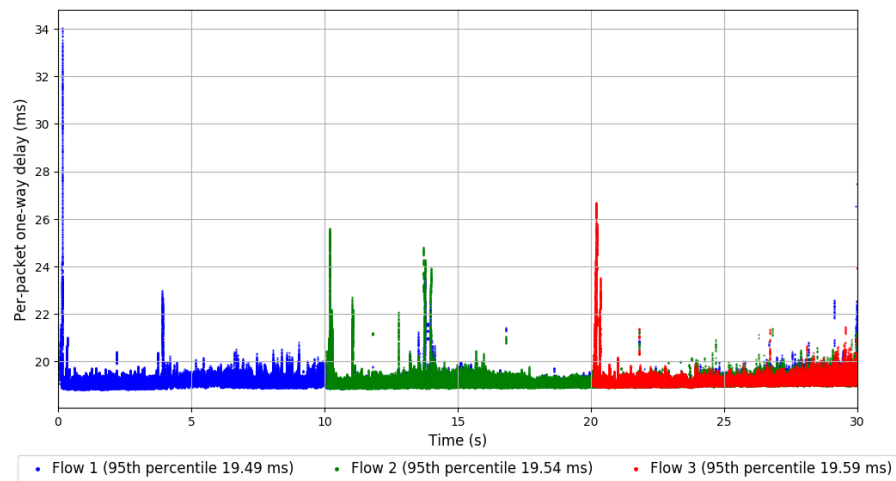
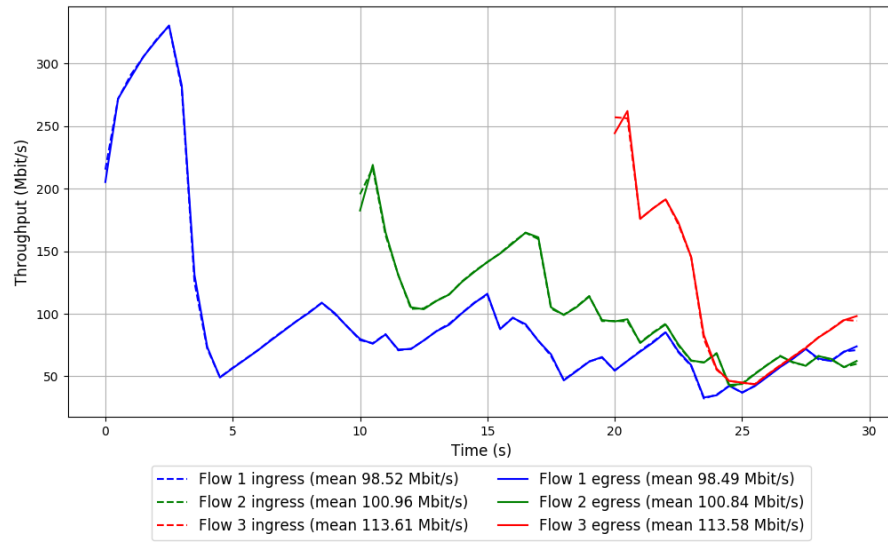


Run 7: Statistics of TCP Cubic

Start at: 2018-03-27 22:04:14
End at: 2018-03-27 22:04:44
Local clock offset: 0.573 ms
Remote clock offset: -4.339 ms

Below is generated by plot.py at 2018-03-28 02:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 203.38 Mbit/s
95th percentile per-packet one-way delay: 19.521 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 98.49 Mbit/s
95th percentile per-packet one-way delay: 19.489 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 100.84 Mbit/s
95th percentile per-packet one-way delay: 19.537 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 113.58 Mbit/s
95th percentile per-packet one-way delay: 19.589 ms
Loss rate: 0.02%

Run 7: Report of TCP Cubic — Data Link

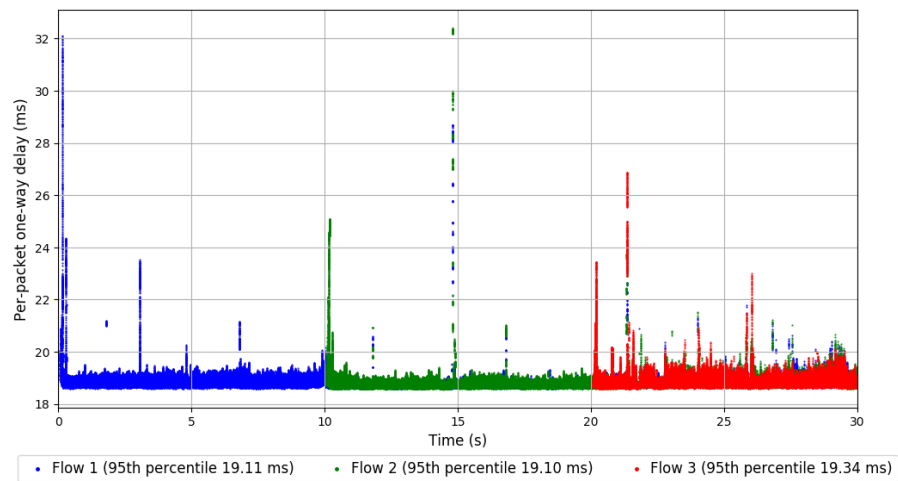
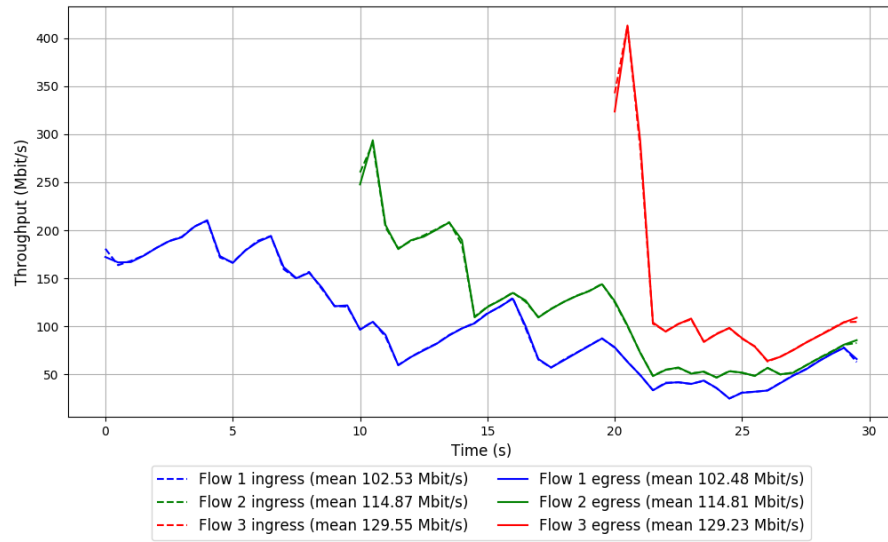


Run 8: Statistics of TCP Cubic

Start at: 2018-03-27 22:33:03
End at: 2018-03-27 22:33:33
Local clock offset: 0.992 ms
Remote clock offset: -6.575 ms

Below is generated by plot.py at 2018-03-28 02:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 221.87 Mbit/s
95th percentile per-packet one-way delay: 19.147 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 102.48 Mbit/s
95th percentile per-packet one-way delay: 19.110 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 114.81 Mbit/s
95th percentile per-packet one-way delay: 19.104 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 129.23 Mbit/s
95th percentile per-packet one-way delay: 19.335 ms
Loss rate: 0.25%

Run 8: Report of TCP Cubic — Data Link

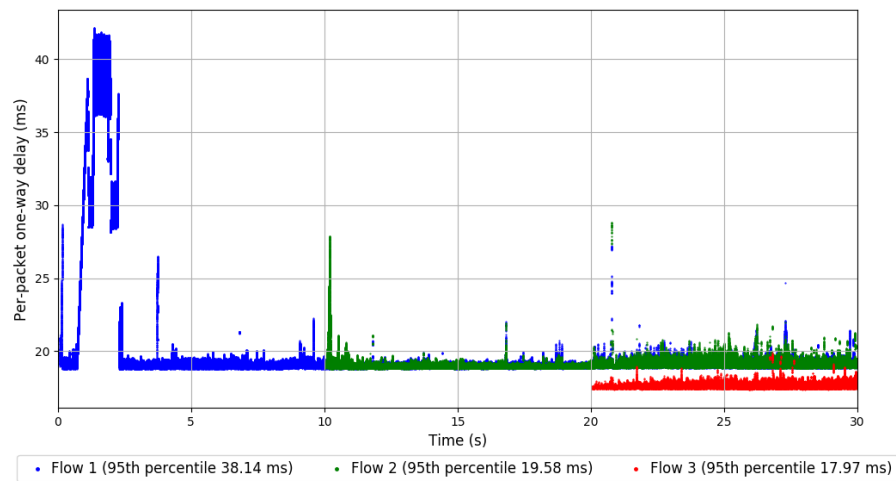
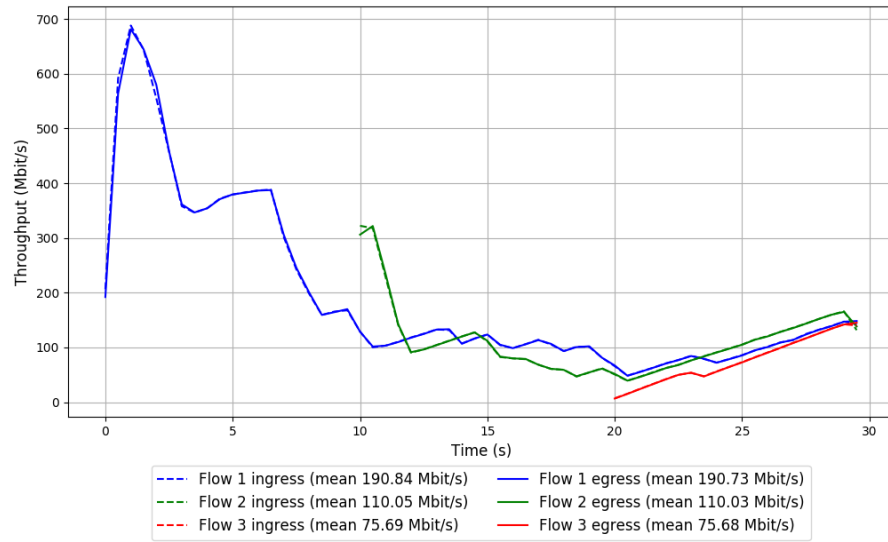


Run 9: Statistics of TCP Cubic

Start at: 2018-03-27 23:01:46
End at: 2018-03-27 23:02:16
Local clock offset: 1.49 ms
Remote clock offset: -6.705 ms

Below is generated by plot.py at 2018-03-28 02:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 289.12 Mbit/s
95th percentile per-packet one-way delay: 36.201 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 190.73 Mbit/s
95th percentile per-packet one-way delay: 38.142 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 110.03 Mbit/s
95th percentile per-packet one-way delay: 19.578 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 75.68 Mbit/s
95th percentile per-packet one-way delay: 17.967 ms
Loss rate: 0.01%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-03-27 23:30:44

End at: 2018-03-27 23:31:14

Local clock offset: 3.41 ms

Remote clock offset: -6.13 ms

Below is generated by plot.py at 2018-03-28 02:54:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 220.45 Mbit/s

95th percentile per-packet one-way delay: 21.461 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 109.25 Mbit/s

95th percentile per-packet one-way delay: 28.580 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 93.16 Mbit/s

95th percentile per-packet one-way delay: 19.099 ms

Loss rate: 0.03%

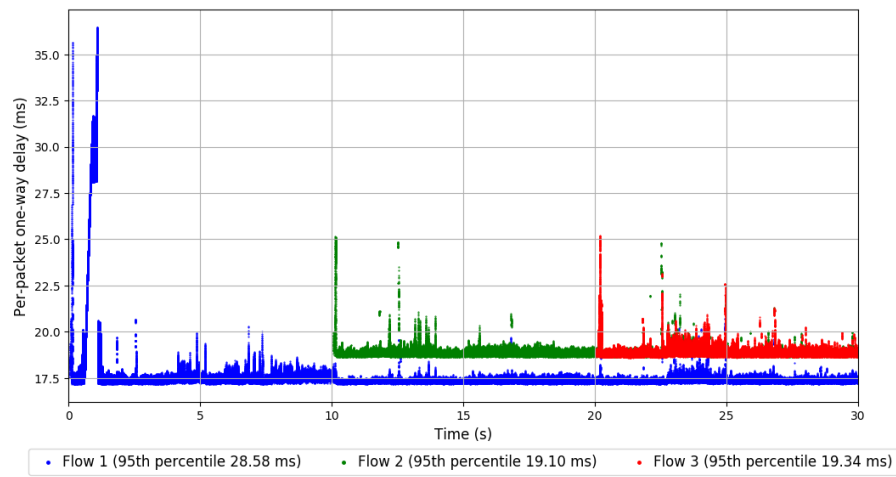
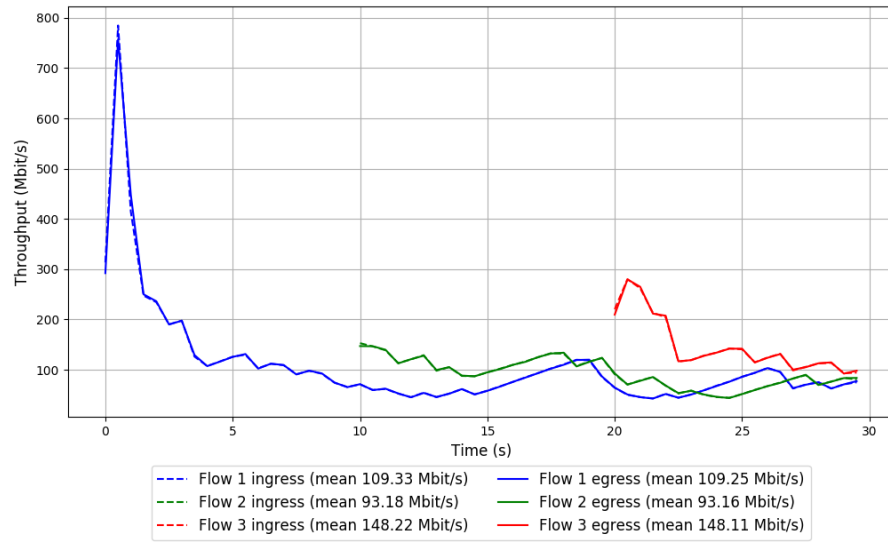
-- Flow 3:

Average throughput: 148.11 Mbit/s

95th percentile per-packet one-way delay: 19.338 ms

Loss rate: 0.07%

Run 10: Report of TCP Cubic — Data Link

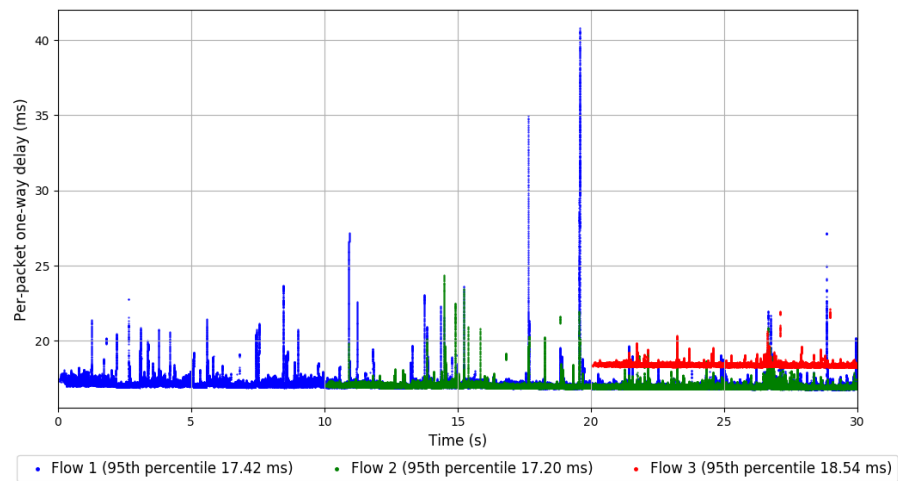
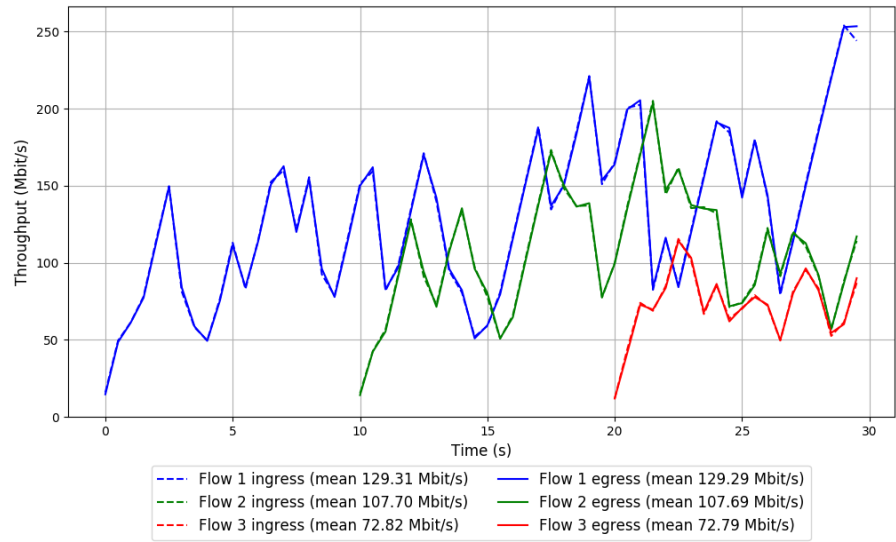


Run 1: Statistics of LEDBAT

Start at: 2018-03-27 19:08:42
End at: 2018-03-27 19:09:12
Local clock offset: 2.924 ms
Remote clock offset: -5.991 ms

Below is generated by plot.py at 2018-03-28 02:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 225.09 Mbit/s
95th percentile per-packet one-way delay: 18.383 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 129.29 Mbit/s
95th percentile per-packet one-way delay: 17.424 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 107.69 Mbit/s
95th percentile per-packet one-way delay: 17.204 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 72.79 Mbit/s
95th percentile per-packet one-way delay: 18.535 ms
Loss rate: 0.04%

Run 1: Report of LEDBAT — Data Link

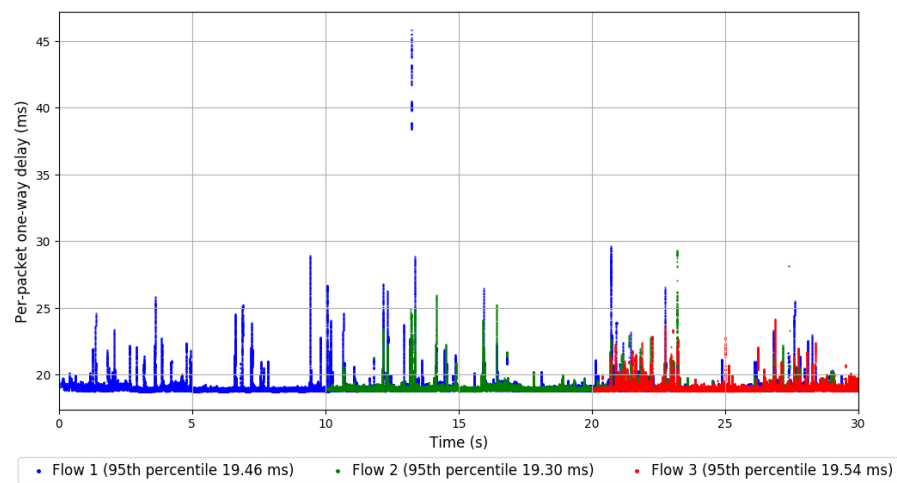
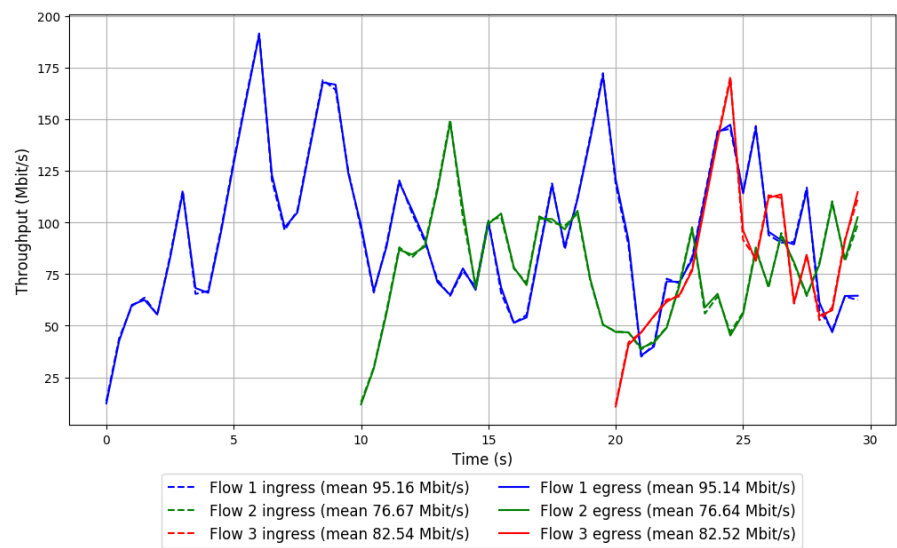


Run 2: Statistics of LEDBAT

Start at: 2018-03-27 19:37:27
End at: 2018-03-27 19:37:57
Local clock offset: -0.771 ms
Remote clock offset: -6.126 ms

Below is generated by plot.py at 2018-03-28 02:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 173.53 Mbit/s
95th percentile per-packet one-way delay: 19.423 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 95.14 Mbit/s
95th percentile per-packet one-way delay: 19.456 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 76.64 Mbit/s
95th percentile per-packet one-way delay: 19.299 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 82.52 Mbit/s
95th percentile per-packet one-way delay: 19.538 ms
Loss rate: 0.02%

Run 2: Report of LEDBAT — Data Link

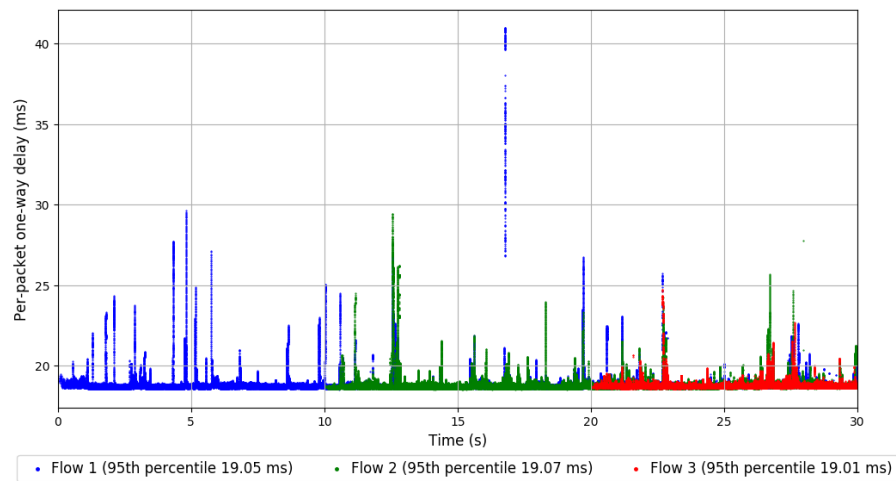
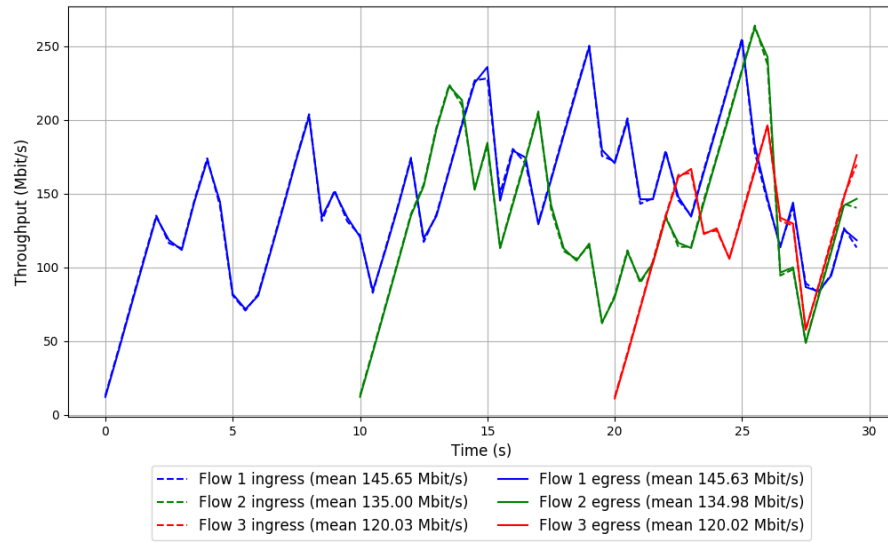


Run 3: Statistics of LEDBAT

Start at: 2018-03-27 20:06:07
End at: 2018-03-27 20:06:37
Local clock offset: -0.483 ms
Remote clock offset: -5.295 ms

Below is generated by plot.py at 2018-03-28 02:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 275.31 Mbit/s
95th percentile per-packet one-way delay: 19.047 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 145.63 Mbit/s
95th percentile per-packet one-way delay: 19.049 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 134.98 Mbit/s
95th percentile per-packet one-way delay: 19.066 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 120.02 Mbit/s
95th percentile per-packet one-way delay: 19.009 ms
Loss rate: 0.01%

Run 3: Report of LEDBAT — Data Link

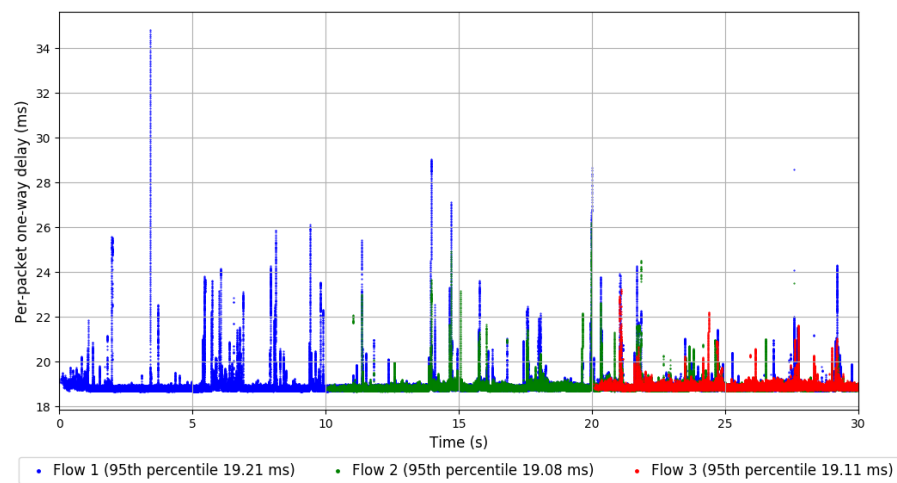
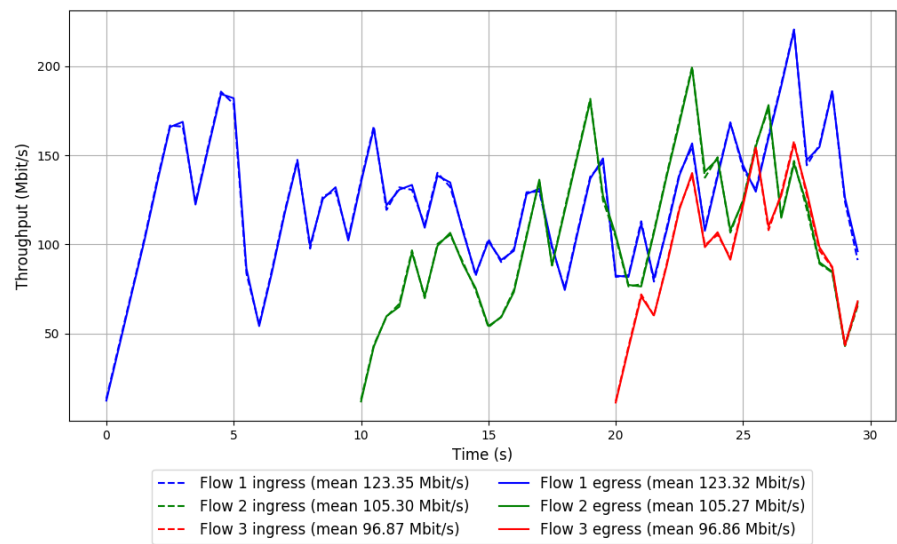


Run 4: Statistics of LEDBAT

Start at: 2018-03-27 20:34:38
End at: 2018-03-27 20:35:08
Local clock offset: 2.421 ms
Remote clock offset: -5.448 ms

Below is generated by plot.py at 2018-03-28 02:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 225.55 Mbit/s
95th percentile per-packet one-way delay: 19.137 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 123.32 Mbit/s
95th percentile per-packet one-way delay: 19.212 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 105.27 Mbit/s
95th percentile per-packet one-way delay: 19.079 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 19.106 ms
Loss rate: 0.02%

Run 4: Report of LEDBAT — Data Link

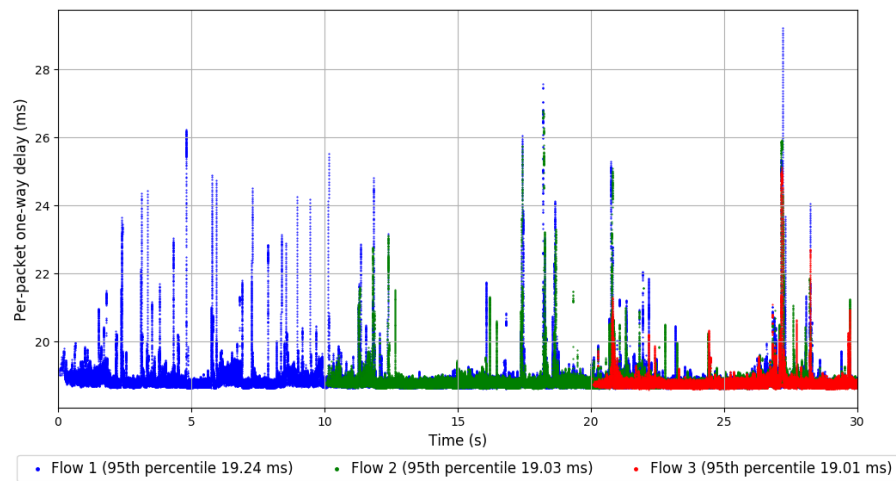
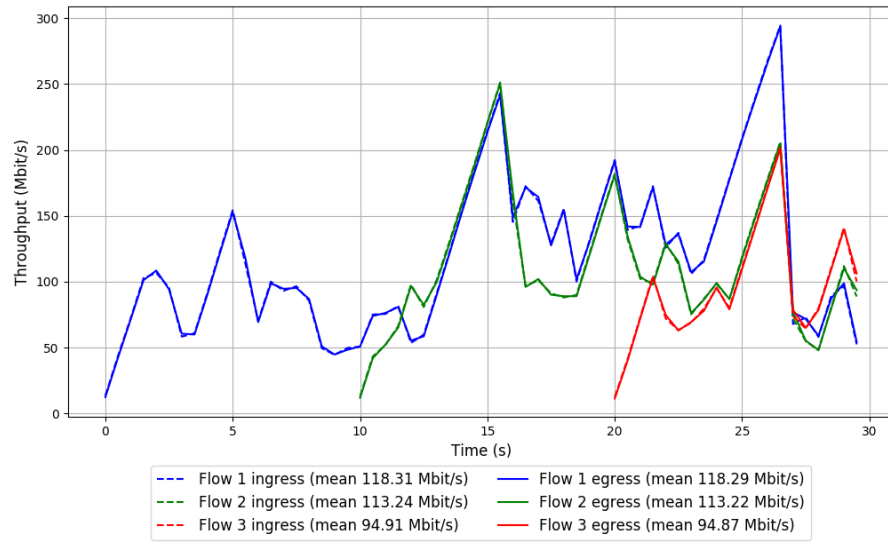


Run 5: Statistics of LEDBAT

Start at: 2018-03-27 21:03:21
End at: 2018-03-27 21:03:51
Local clock offset: 0.638 ms
Remote clock offset: -5.122 ms

Below is generated by plot.py at 2018-03-28 02:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 225.12 Mbit/s
95th percentile per-packet one-way delay: 19.148 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 118.29 Mbit/s
95th percentile per-packet one-way delay: 19.242 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 113.22 Mbit/s
95th percentile per-packet one-way delay: 19.034 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 94.87 Mbit/s
95th percentile per-packet one-way delay: 19.014 ms
Loss rate: 0.04%

Run 5: Report of LEDBAT — Data Link

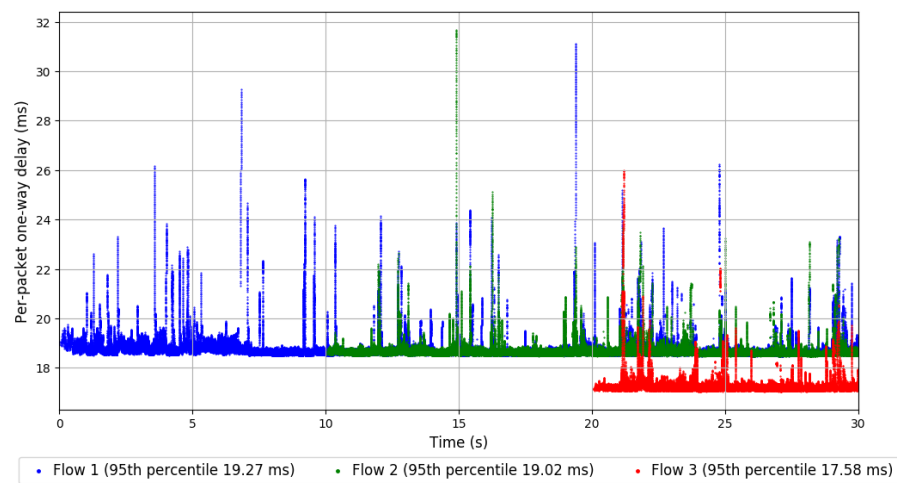
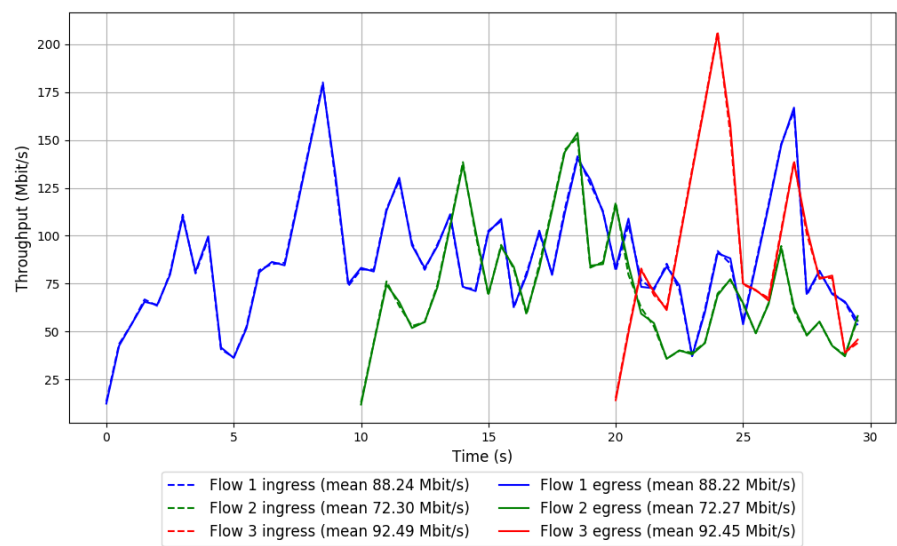


Run 6: Statistics of LEDBAT

Start at: 2018-03-27 21:32:14
End at: 2018-03-27 21:32:44
Local clock offset: -1.457 ms
Remote clock offset: -4.715 ms

Below is generated by plot.py at 2018-03-28 02:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 167.03 Mbit/s
95th percentile per-packet one-way delay: 19.114 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 88.22 Mbit/s
95th percentile per-packet one-way delay: 19.265 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 72.27 Mbit/s
95th percentile per-packet one-way delay: 19.015 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 92.45 Mbit/s
95th percentile per-packet one-way delay: 17.584 ms
Loss rate: 0.03%

Run 6: Report of LEDBAT — Data Link

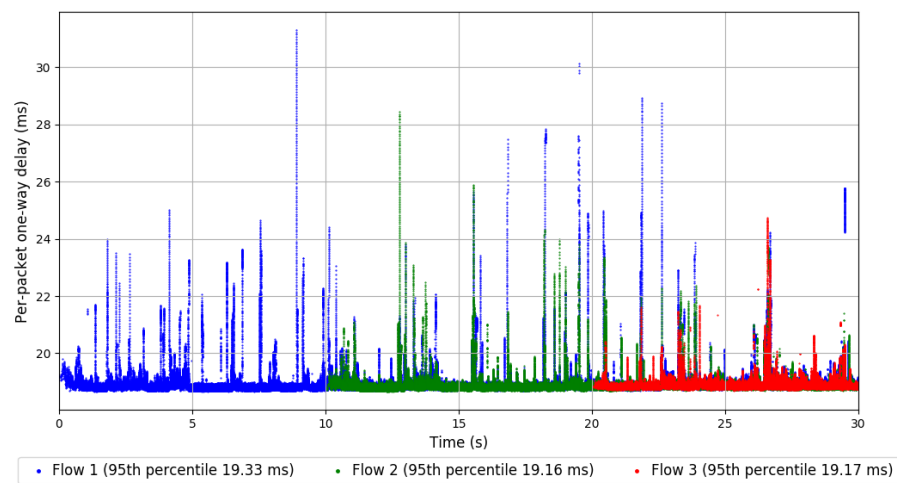
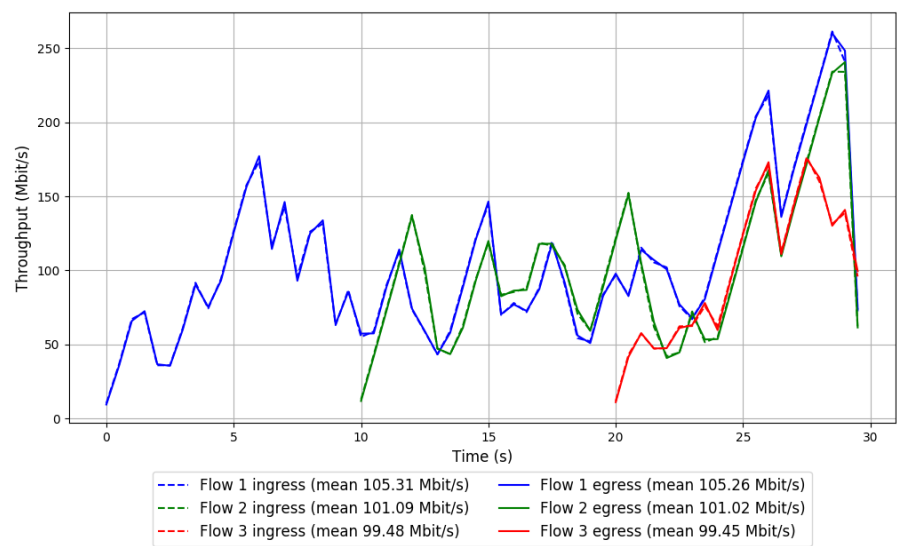


Run 7: Statistics of LEDBAT

Start at: 2018-03-27 22:01:08
End at: 2018-03-27 22:01:39
Local clock offset: 0.329 ms
Remote clock offset: -4.215 ms

Below is generated by plot.py at 2018-03-28 02:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 205.50 Mbit/s
95th percentile per-packet one-way delay: 19.244 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 105.26 Mbit/s
95th percentile per-packet one-way delay: 19.333 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 101.02 Mbit/s
95th percentile per-packet one-way delay: 19.155 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 99.45 Mbit/s
95th percentile per-packet one-way delay: 19.174 ms
Loss rate: 0.02%

Run 7: Report of LEDBAT — Data Link

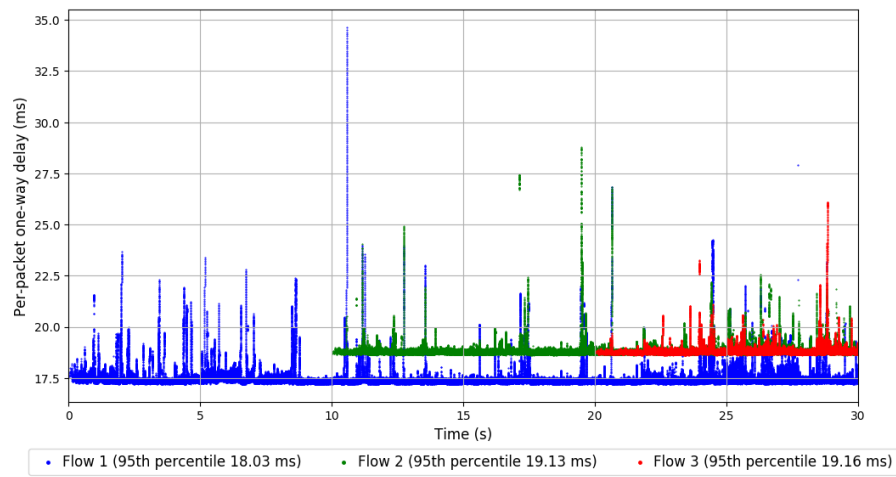
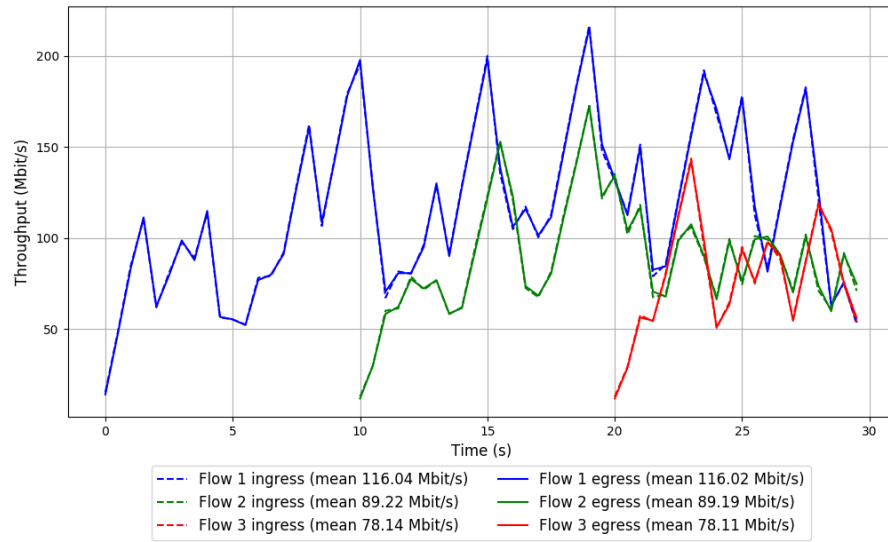


Run 8: Statistics of LEDBAT

Start at: 2018-03-27 22:29:57
End at: 2018-03-27 22:30:27
Local clock offset: 1.047 ms
Remote clock offset: -6.503 ms

Below is generated by plot.py at 2018-03-28 02:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 201.33 Mbit/s
95th percentile per-packet one-way delay: 18.961 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 116.02 Mbit/s
95th percentile per-packet one-way delay: 18.032 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 89.19 Mbit/s
95th percentile per-packet one-way delay: 19.127 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 78.11 Mbit/s
95th percentile per-packet one-way delay: 19.159 ms
Loss rate: 0.04%

Run 8: Report of LEDBAT — Data Link

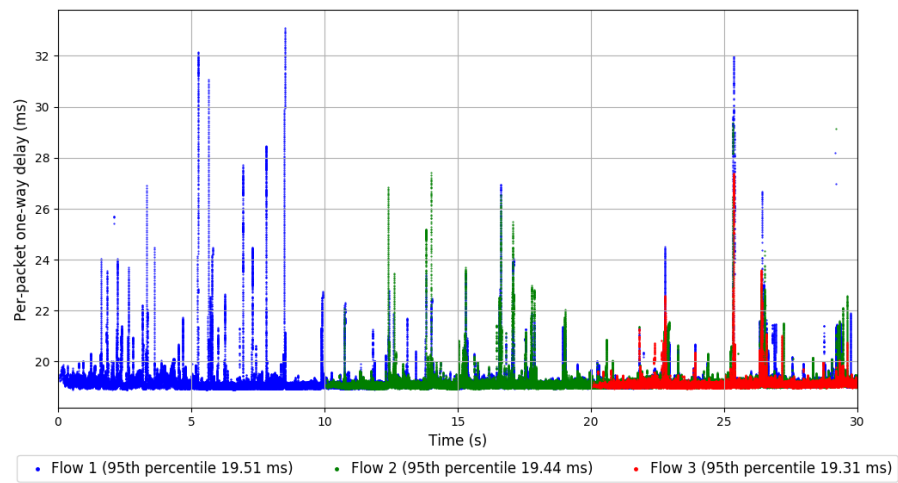
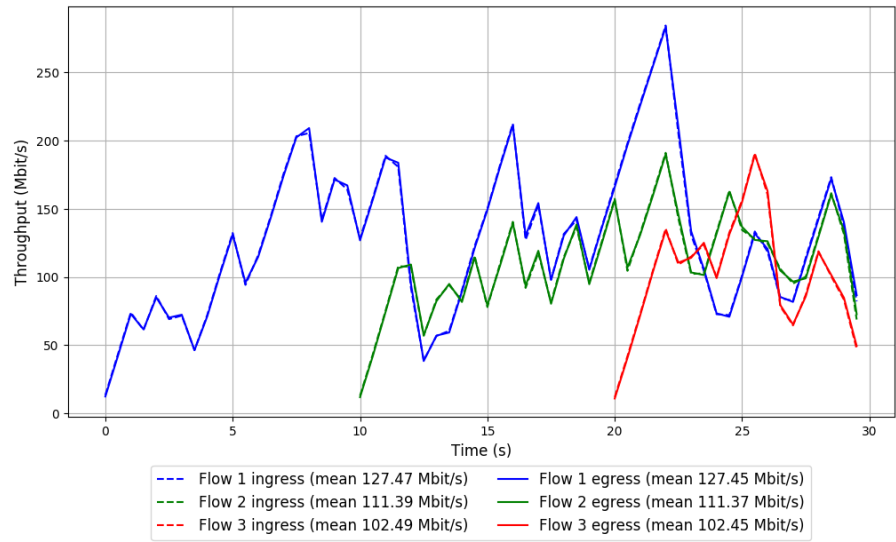


Run 9: Statistics of LEDBAT

Start at: 2018-03-27 22:58:40
End at: 2018-03-27 22:59:10
Local clock offset: 1.007 ms
Remote clock offset: -6.591 ms

Below is generated by plot.py at 2018-03-28 02:55:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 235.56 Mbit/s
95th percentile per-packet one-way delay: 19.460 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 127.45 Mbit/s
95th percentile per-packet one-way delay: 19.510 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 111.37 Mbit/s
95th percentile per-packet one-way delay: 19.440 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 102.45 Mbit/s
95th percentile per-packet one-way delay: 19.309 ms
Loss rate: 0.04%

Run 9: Report of LEDBAT — Data Link

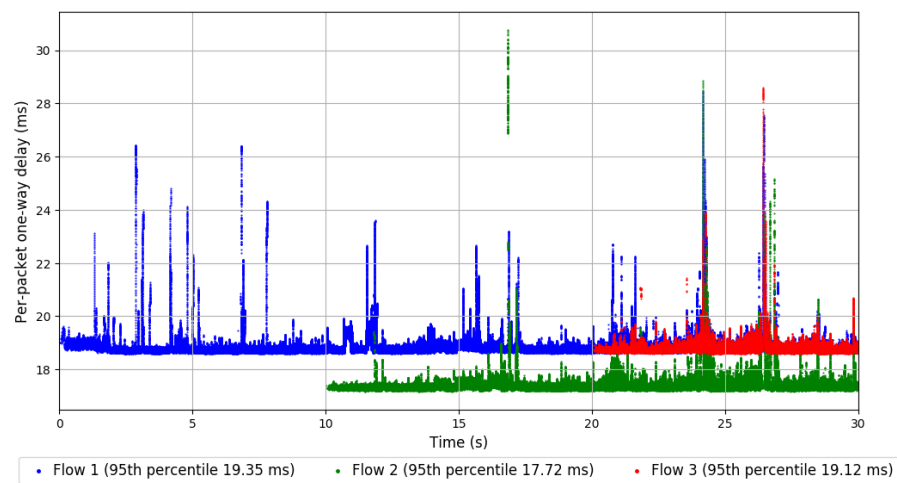
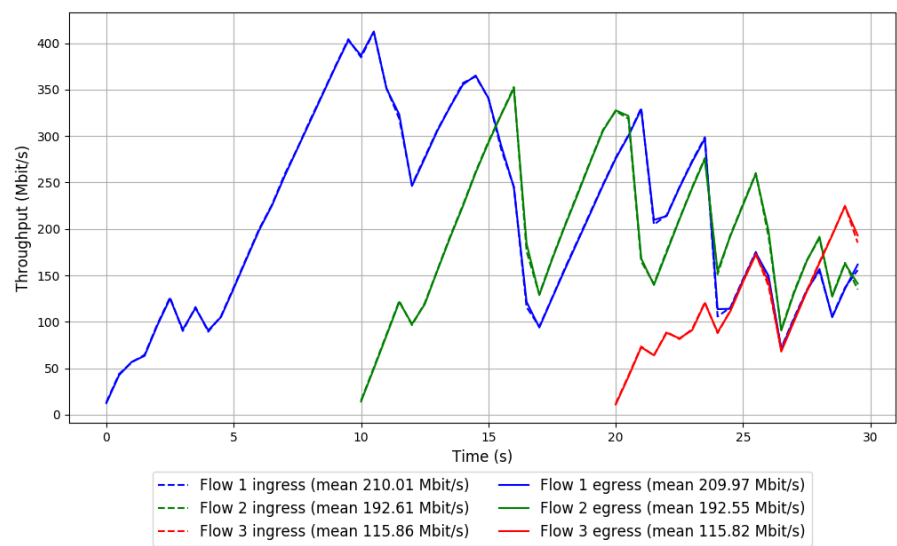


Run 10: Statistics of LEDBAT

Start at: 2018-03-27 23:27:30
End at: 2018-03-27 23:28:00
Local clock offset: 3.282 ms
Remote clock offset: -6.178 ms

Below is generated by plot.py at 2018-03-28 02:57:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 376.52 Mbit/s
95th percentile per-packet one-way delay: 19.129 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 209.97 Mbit/s
95th percentile per-packet one-way delay: 19.350 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 192.55 Mbit/s
95th percentile per-packet one-way delay: 17.716 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 115.82 Mbit/s
95th percentile per-packet one-way delay: 19.123 ms
Loss rate: 0.03%

Run 10: Report of LEDBAT — Data Link

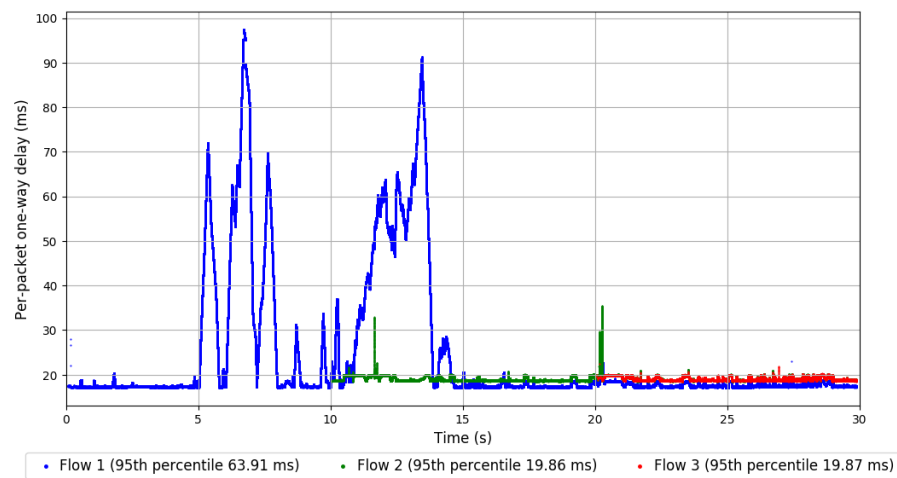
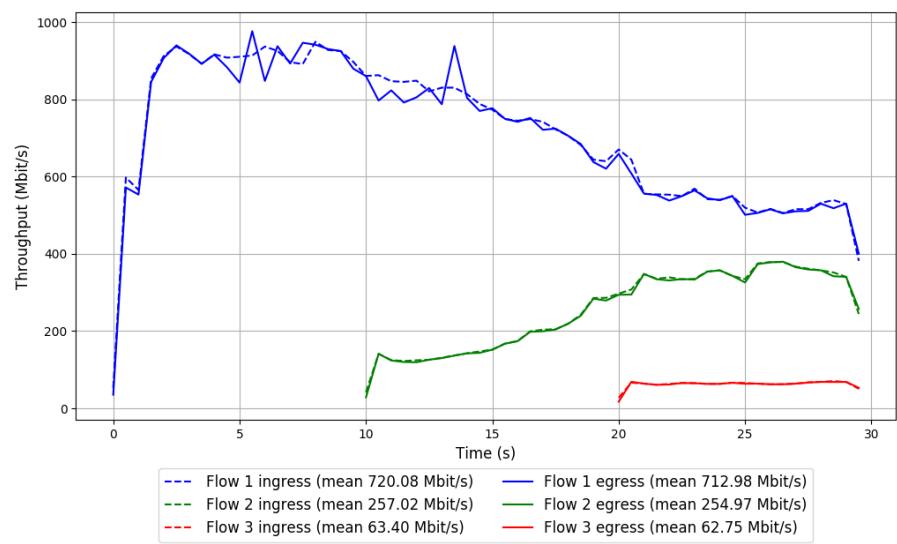


Run 1: Statistics of PCC

Start at: 2018-03-27 19:20:00
End at: 2018-03-27 19:20:30
Local clock offset: 0.098 ms
Remote clock offset: -6.035 ms

Below is generated by plot.py at 2018-03-28 03:06:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 903.19 Mbit/s
95th percentile per-packet one-way delay: 61.838 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 712.98 Mbit/s
95th percentile per-packet one-way delay: 63.912 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 254.97 Mbit/s
95th percentile per-packet one-way delay: 19.858 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 62.75 Mbit/s
95th percentile per-packet one-way delay: 19.869 ms
Loss rate: 1.03%

Run 1: Report of PCC — Data Link

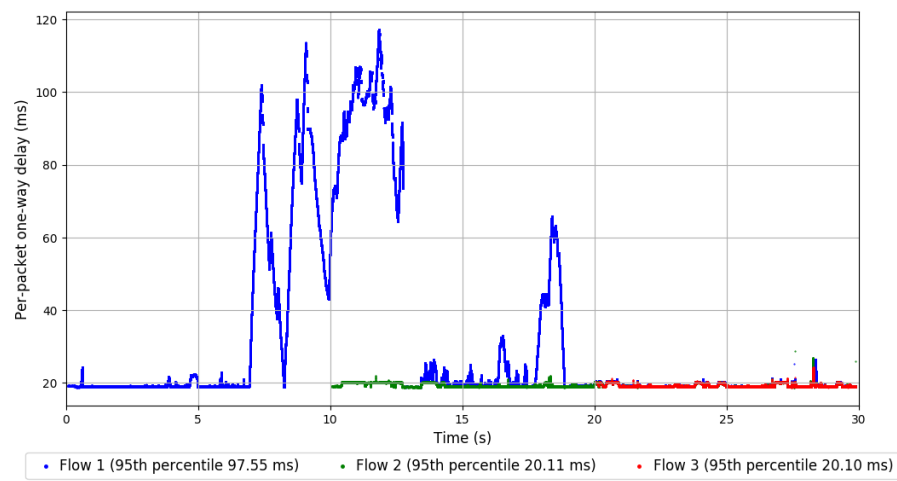
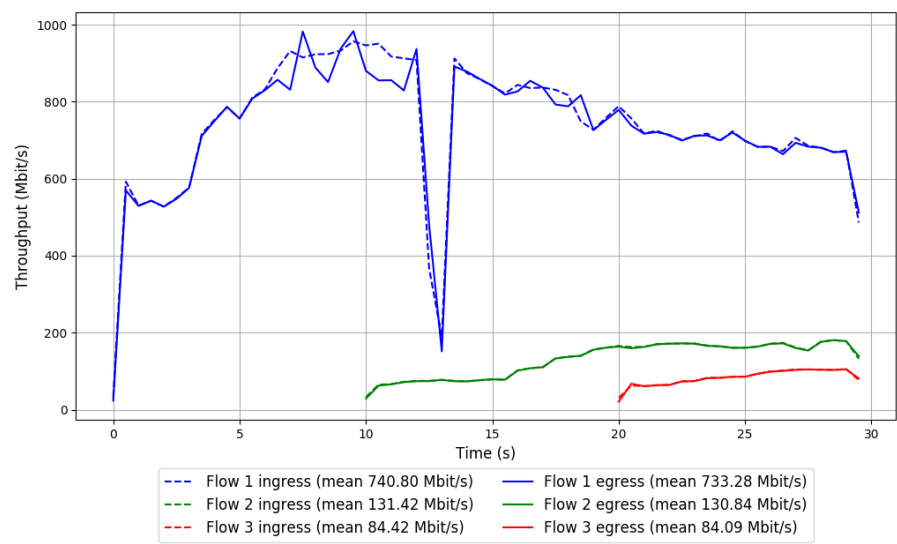


Run 2: Statistics of PCC

Start at: 2018-03-27 19:48:42
End at: 2018-03-27 19:49:12
Local clock offset: -0.418 ms
Remote clock offset: -5.987 ms

Below is generated by plot.py at 2018-03-28 03:06:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 847.81 Mbit/s
95th percentile per-packet one-way delay: 96.609 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 733.28 Mbit/s
95th percentile per-packet one-way delay: 97.554 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 130.84 Mbit/s
95th percentile per-packet one-way delay: 20.105 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 84.09 Mbit/s
95th percentile per-packet one-way delay: 20.098 ms
Loss rate: 0.41%

Run 2: Report of PCC — Data Link

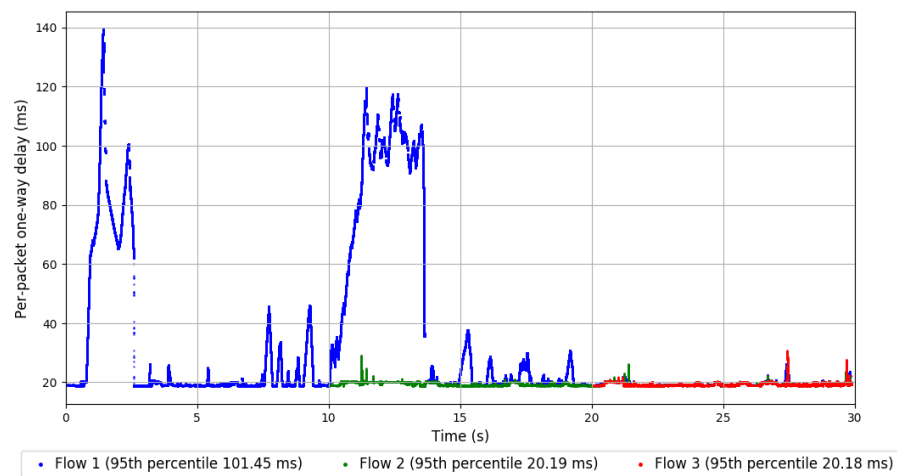
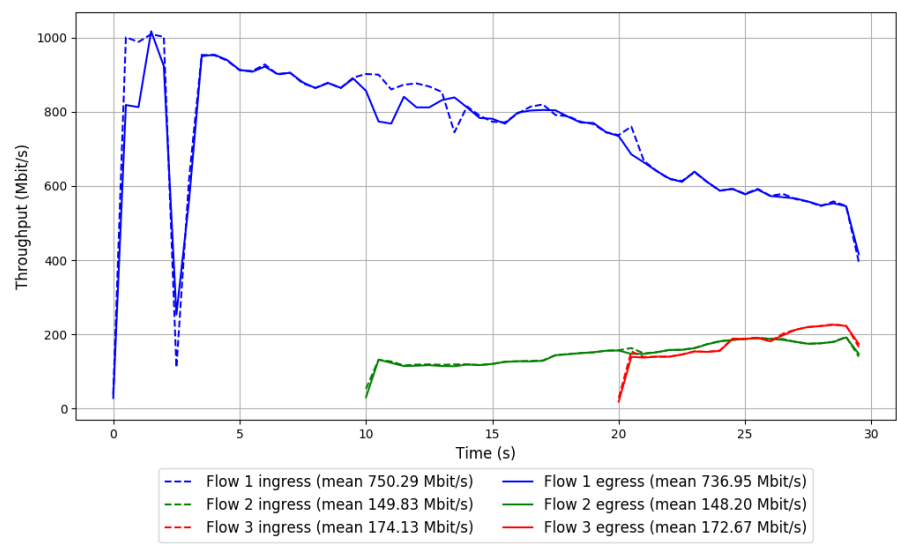


Run 3: Statistics of PCC

Start at: 2018-03-27 20:17:28
End at: 2018-03-27 20:17:58
Local clock offset: 1.536 ms
Remote clock offset: -5.085 ms

Below is generated by plot.py at 2018-03-28 03:06:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 892.26 Mbit/s
95th percentile per-packet one-way delay: 99.498 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 736.95 Mbit/s
95th percentile per-packet one-way delay: 101.454 ms
Loss rate: 1.78%
-- Flow 2:
Average throughput: 148.20 Mbit/s
95th percentile per-packet one-way delay: 20.194 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 172.67 Mbit/s
95th percentile per-packet one-way delay: 20.179 ms
Loss rate: 0.80%

Run 3: Report of PCC — Data Link

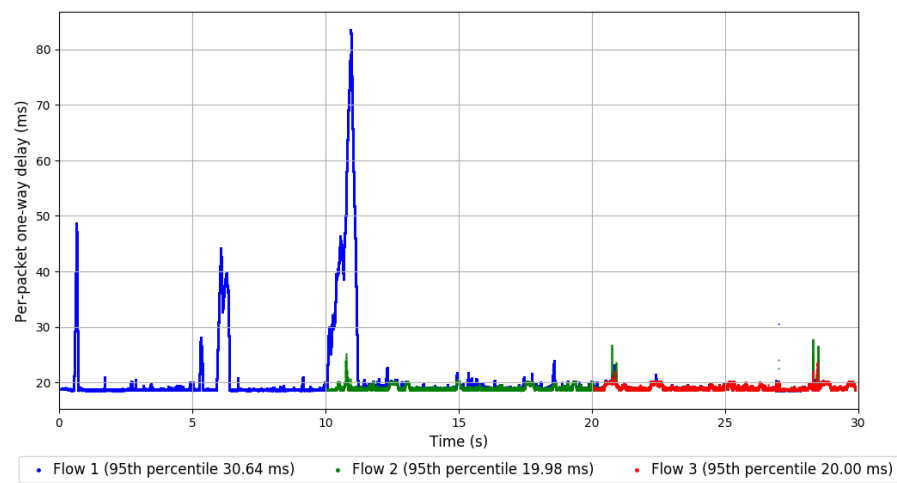
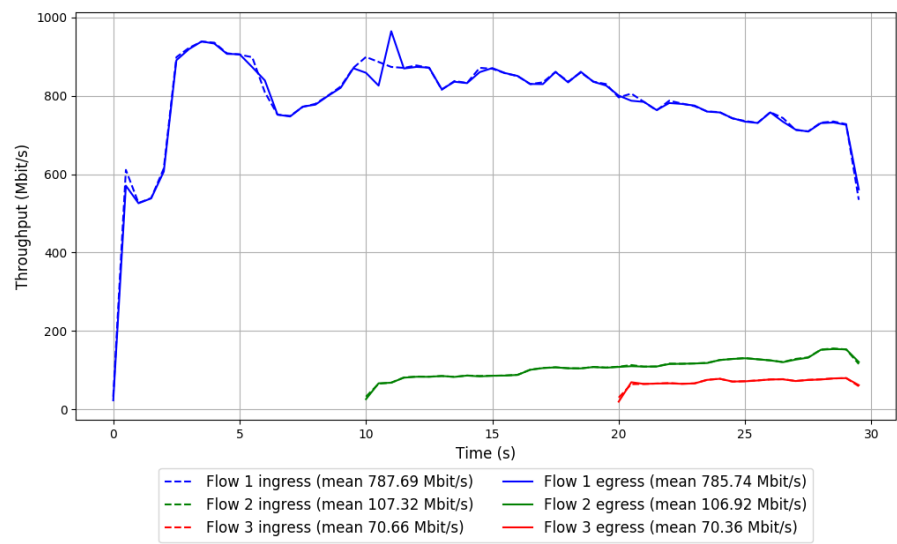


Run 4: Statistics of PCC

Start at: 2018-03-27 20:45:48
End at: 2018-03-27 20:46:18
Local clock offset: 1.817 ms
Remote clock offset: -5.426 ms

Below is generated by plot.py at 2018-03-28 03:06:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 880.04 Mbit/s
95th percentile per-packet one-way delay: 27.733 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 785.74 Mbit/s
95th percentile per-packet one-way delay: 30.644 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 106.92 Mbit/s
95th percentile per-packet one-way delay: 19.977 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 70.36 Mbit/s
95th percentile per-packet one-way delay: 19.995 ms
Loss rate: 0.43%

Run 4: Report of PCC — Data Link

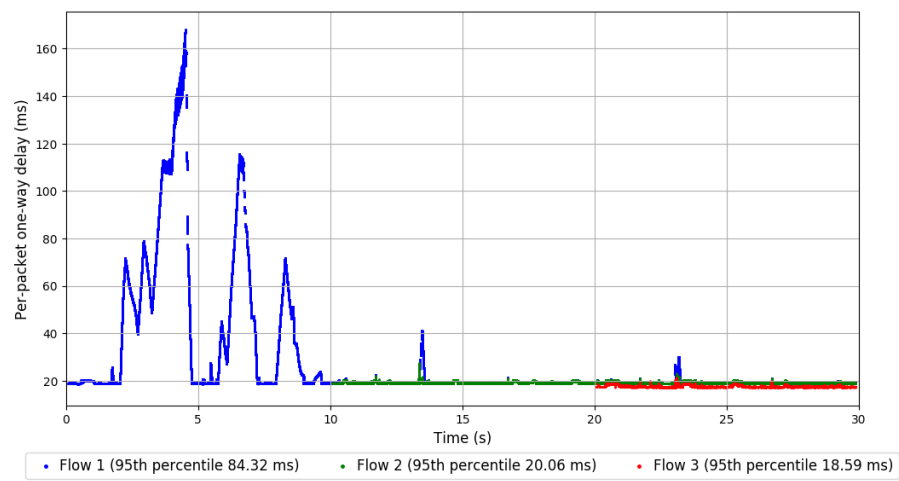
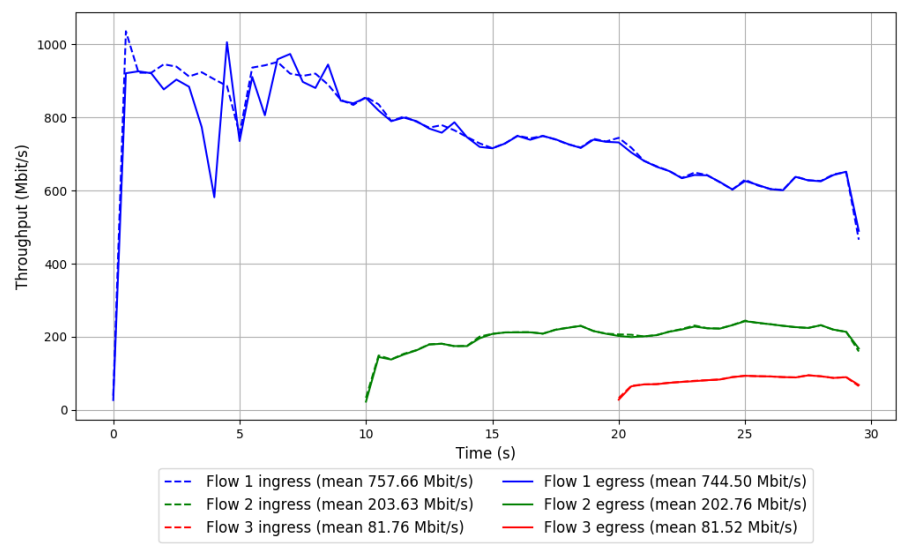


Run 5: Statistics of PCC

Start at: 2018-03-27 21:14:36
End at: 2018-03-27 21:15:06
Local clock offset: 0.371 ms
Remote clock offset: -4.975 ms

Below is generated by plot.py at 2018-03-28 03:08:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 906.19 Mbit/s
95th percentile per-packet one-way delay: 75.432 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 744.50 Mbit/s
95th percentile per-packet one-way delay: 84.316 ms
Loss rate: 1.74%
-- Flow 2:
Average throughput: 202.76 Mbit/s
95th percentile per-packet one-way delay: 20.063 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 81.52 Mbit/s
95th percentile per-packet one-way delay: 18.593 ms
Loss rate: 0.29%

Run 5: Report of PCC — Data Link

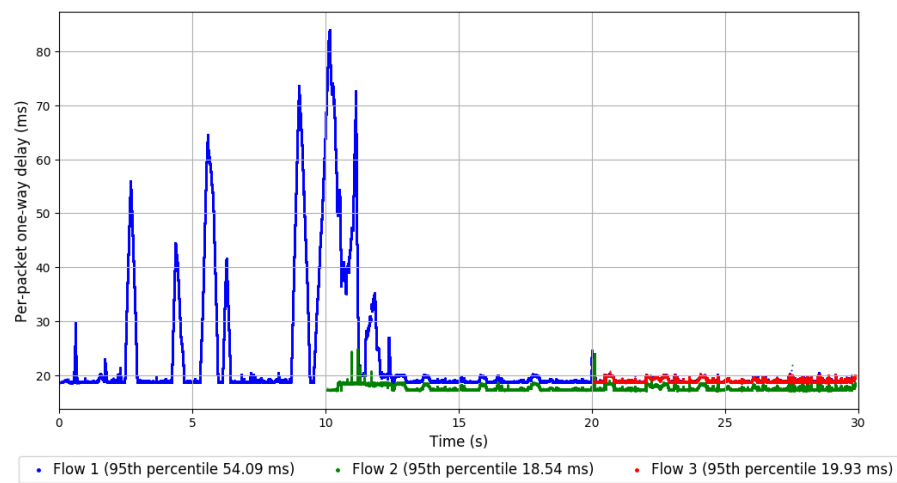
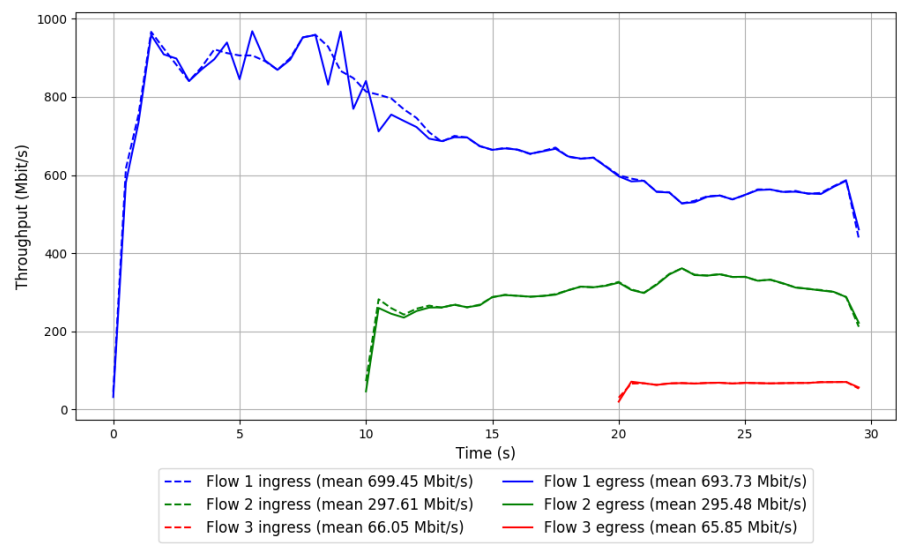


Run 6: Statistics of PCC

Start at: 2018-03-27 21:43:28
End at: 2018-03-27 21:43:58
Local clock offset: -2.007 ms
Remote clock offset: -4.384 ms

Below is generated by plot.py at 2018-03-28 03:08:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 911.94 Mbit/s
95th percentile per-packet one-way delay: 49.267 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 693.73 Mbit/s
95th percentile per-packet one-way delay: 54.089 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 295.48 Mbit/s
95th percentile per-packet one-way delay: 18.535 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 65.85 Mbit/s
95th percentile per-packet one-way delay: 19.935 ms
Loss rate: 0.30%

Run 6: Report of PCC — Data Link

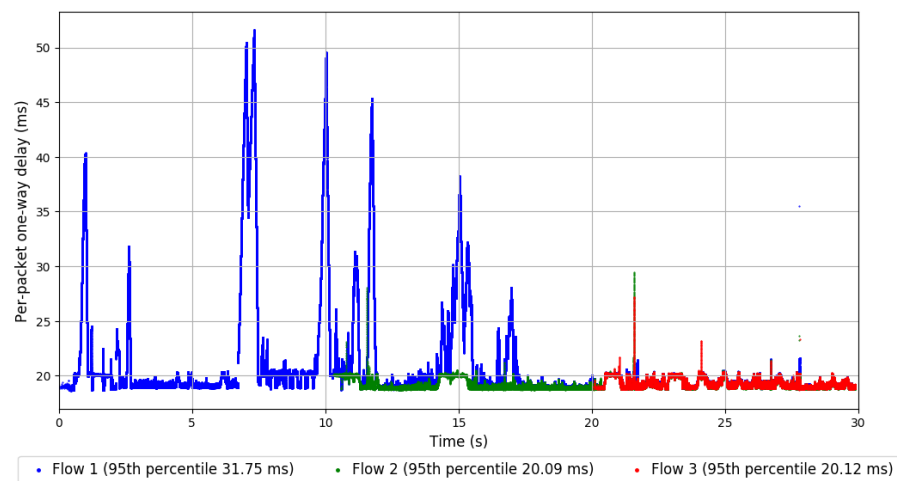
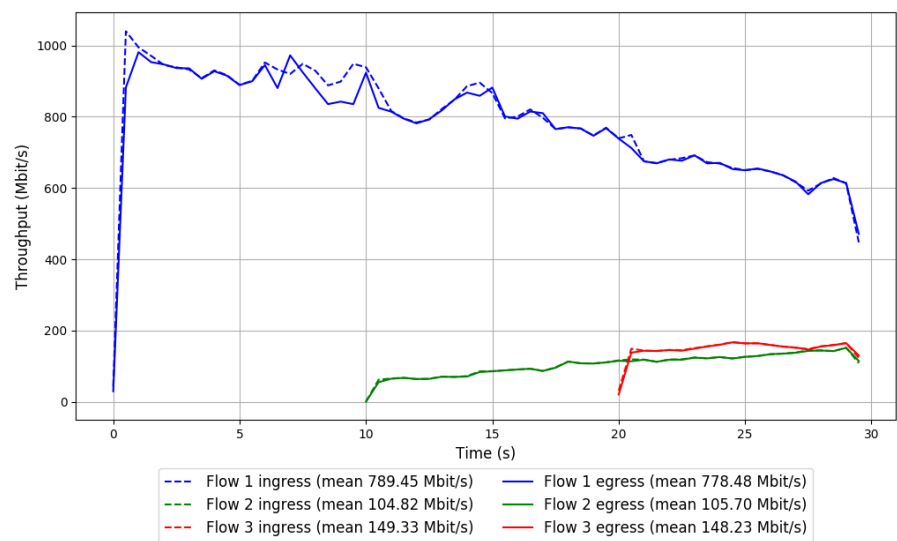


Run 7: Statistics of PCC

Start at: 2018-03-27 22:12:26
End at: 2018-03-27 22:12:56
Local clock offset: 1.219 ms
Remote clock offset: -5.579 ms

Below is generated by plot.py at 2018-03-28 03:08:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 896.74 Mbit/s
95th percentile per-packet one-way delay: 30.591 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 778.48 Mbit/s
95th percentile per-packet one-way delay: 31.752 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 105.70 Mbit/s
95th percentile per-packet one-way delay: 20.086 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 148.23 Mbit/s
95th percentile per-packet one-way delay: 20.117 ms
Loss rate: 0.73%

Run 7: Report of PCC — Data Link

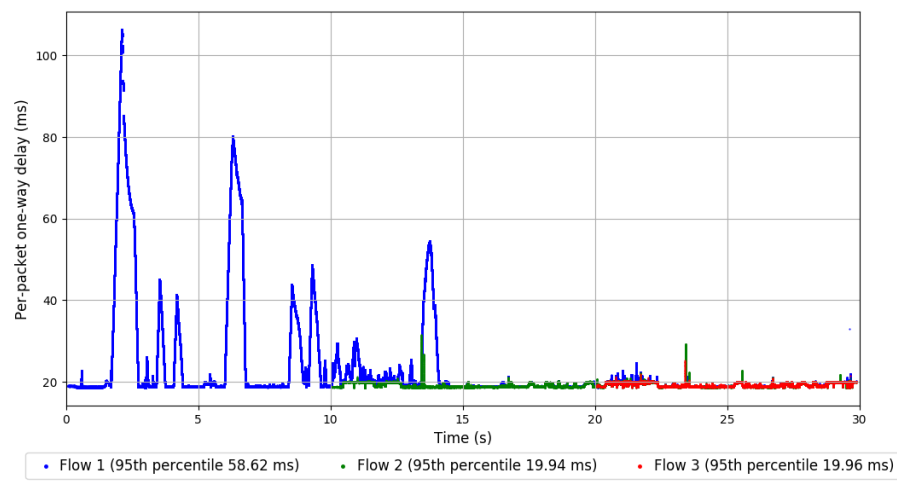
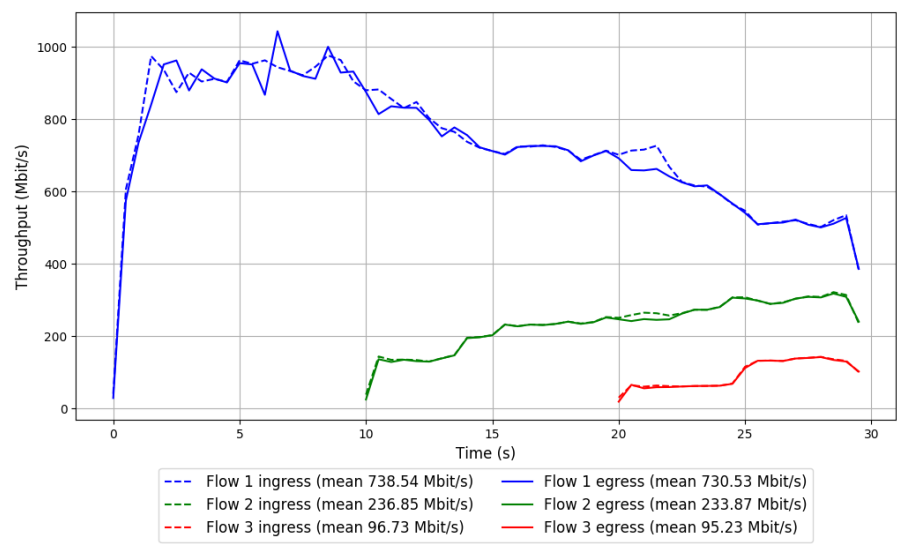


Run 8: Statistics of PCC

Start at: 2018-03-27 22:41:14
End at: 2018-03-27 22:41:44
Local clock offset: 0.868 ms
Remote clock offset: -6.612 ms

Below is generated by plot.py at 2018-03-28 03:11:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 917.41 Mbit/s
95th percentile per-packet one-way delay: 49.705 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 730.53 Mbit/s
95th percentile per-packet one-way delay: 58.621 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 233.87 Mbit/s
95th percentile per-packet one-way delay: 19.942 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 19.959 ms
Loss rate: 1.54%

Run 8: Report of PCC — Data Link

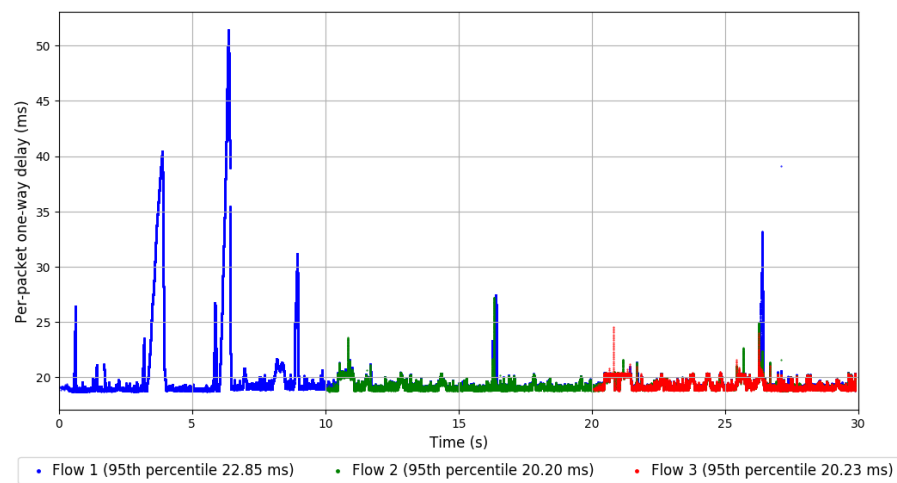
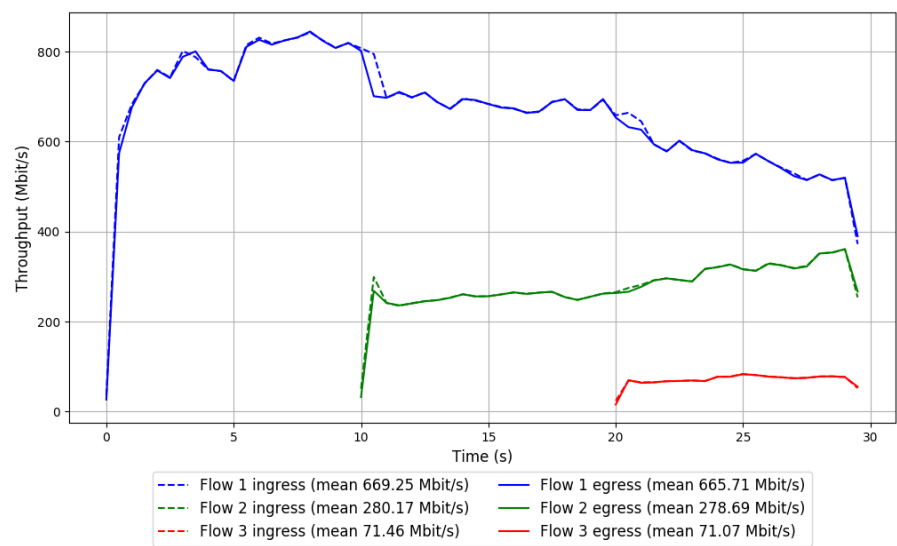


Run 9: Statistics of PCC

Start at: 2018-03-27 23:10:01
End at: 2018-03-27 23:10:31
Local clock offset: 2.325 ms
Remote clock offset: -6.805 ms

Below is generated by plot.py at 2018-03-28 03:18:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 874.47 Mbit/s
95th percentile per-packet one-way delay: 21.069 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 665.71 Mbit/s
95th percentile per-packet one-way delay: 22.848 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 278.69 Mbit/s
95th percentile per-packet one-way delay: 20.203 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 71.07 Mbit/s
95th percentile per-packet one-way delay: 20.227 ms
Loss rate: 0.55%

Run 9: Report of PCC — Data Link

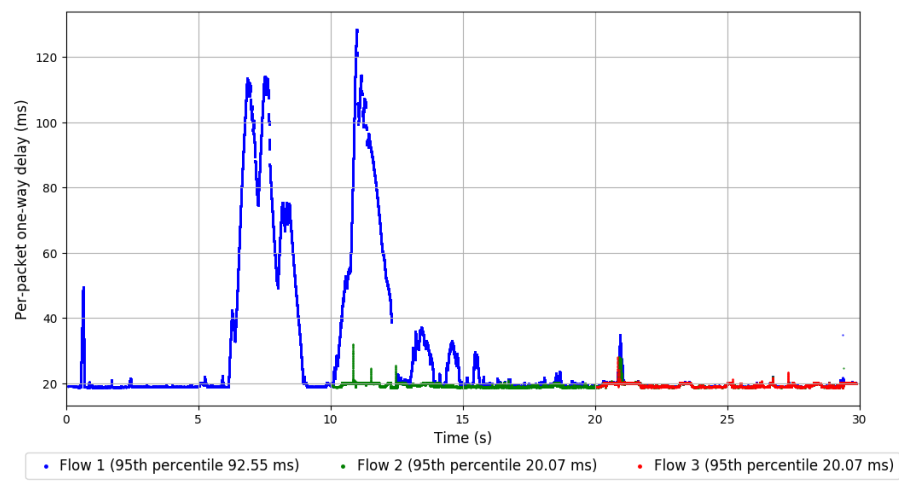
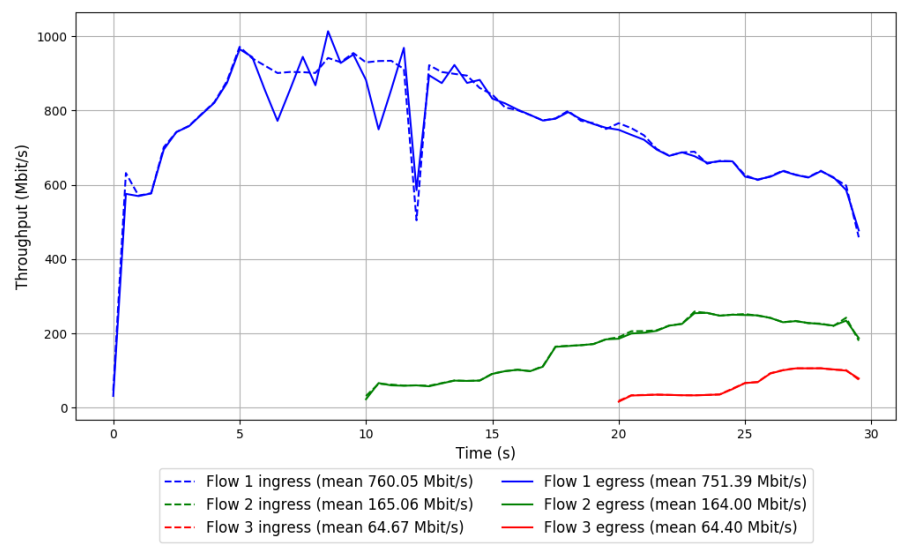


Run 10: Statistics of PCC

Start at: 2018-03-27 23:38:55
End at: 2018-03-27 23:39:25
Local clock offset: 2.94 ms
Remote clock offset: -5.984 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 881.66 Mbit/s
95th percentile per-packet one-way delay: 87.174 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 751.39 Mbit/s
95th percentile per-packet one-way delay: 92.550 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 164.00 Mbit/s
95th percentile per-packet one-way delay: 20.072 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 64.40 Mbit/s
95th percentile per-packet one-way delay: 20.070 ms
Loss rate: 0.40%

Run 10: Report of PCC — Data Link

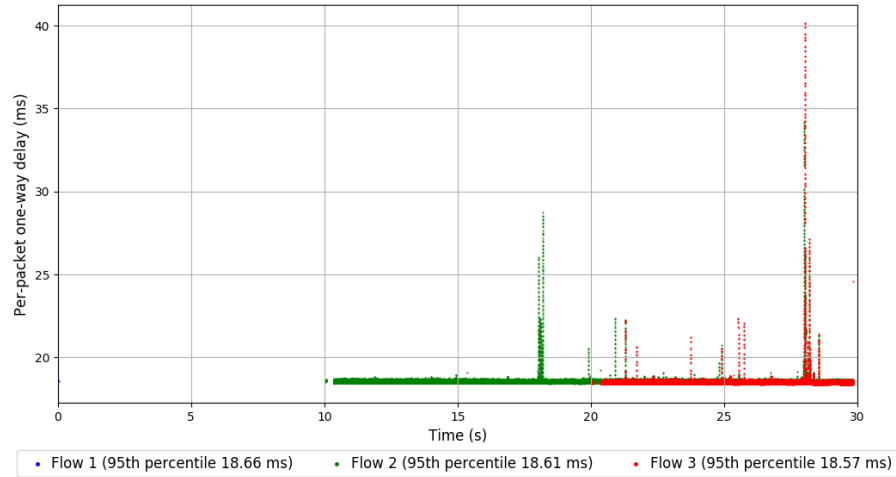
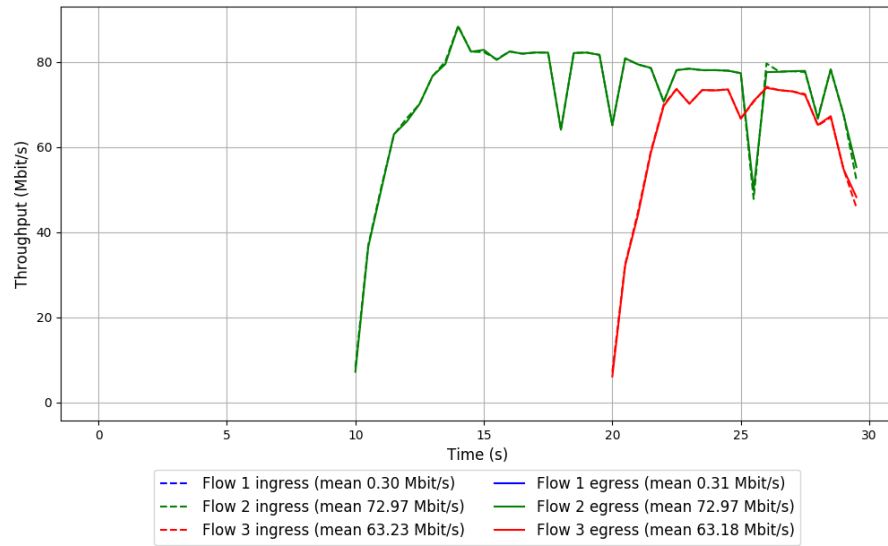


Run 1: Statistics of QUIC Cubic

Start at: 2018-03-27 19:14:52
End at: 2018-03-27 19:15:22
Local clock offset: 1.013 ms
Remote clock offset: -6.035 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.27 Mbit/s
95th percentile per-packet one-way delay: 18.601 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 18.661 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 72.97 Mbit/s
95th percentile per-packet one-way delay: 18.609 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 63.18 Mbit/s
95th percentile per-packet one-way delay: 18.567 ms
Loss rate: 0.01%

Run 1: Report of QUIC Cubic — Data Link

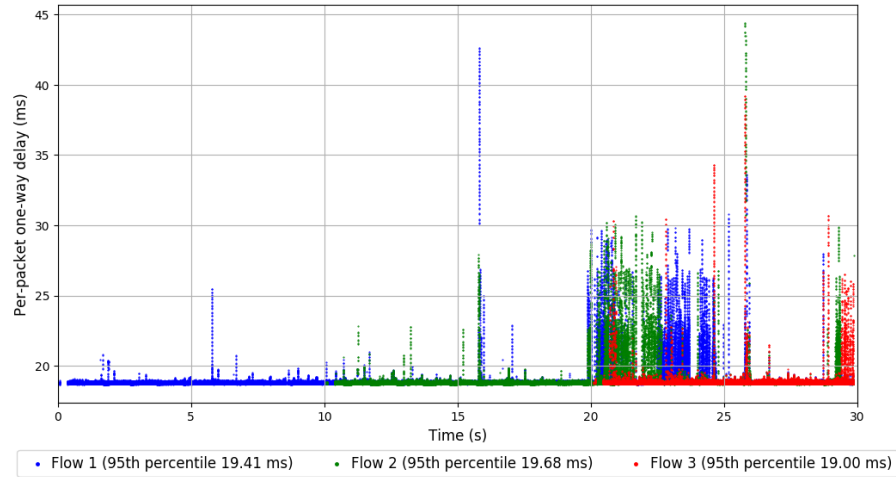
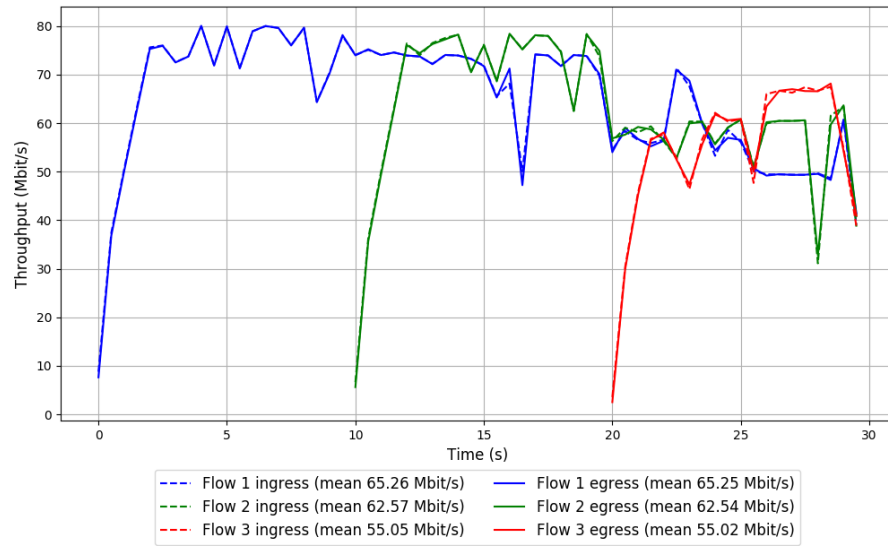


Run 2: Statistics of QUIC Cubic

Start at: 2018-03-27 19:43:34
End at: 2018-03-27 19:44:04
Local clock offset: -0.396 ms
Remote clock offset: -6.153 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.74 Mbit/s
95th percentile per-packet one-way delay: 19.352 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 65.25 Mbit/s
95th percentile per-packet one-way delay: 19.415 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 62.54 Mbit/s
95th percentile per-packet one-way delay: 19.680 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 55.02 Mbit/s
95th percentile per-packet one-way delay: 18.998 ms
Loss rate: 0.05%

Run 2: Report of QUIC Cubic — Data Link

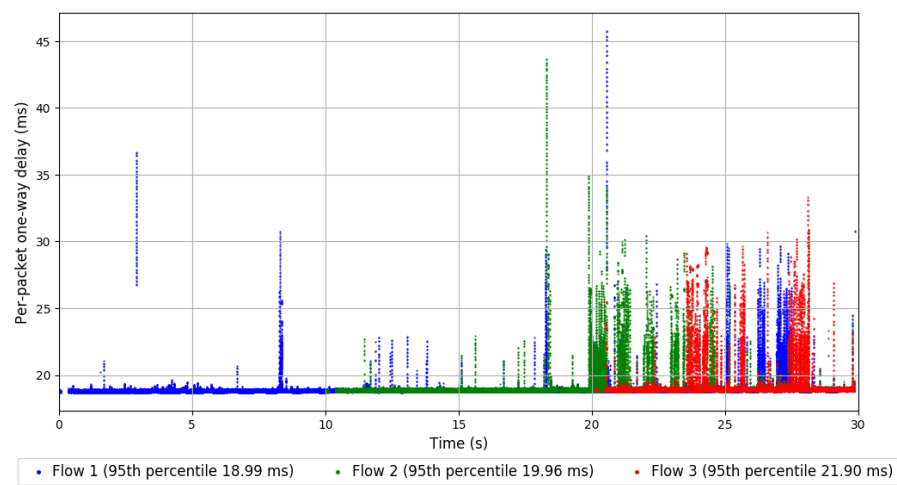
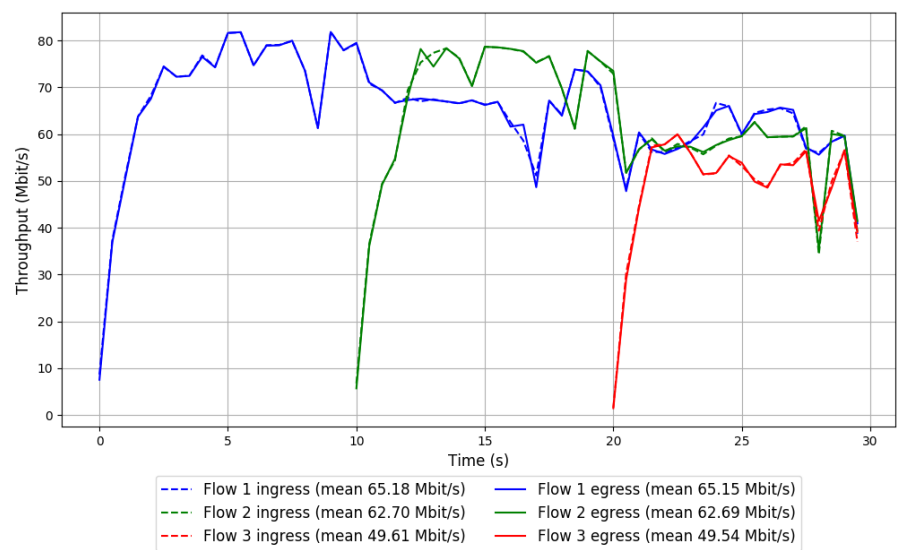


Run 3: Statistics of QUIC Cubic

Start at: 2018-03-27 20:12:21
End at: 2018-03-27 20:12:51
Local clock offset: 0.783 ms
Remote clock offset: -5.248 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 122.90 Mbit/s
95th percentile per-packet one-way delay: 19.291 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 65.15 Mbit/s
95th percentile per-packet one-way delay: 18.986 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 62.69 Mbit/s
95th percentile per-packet one-way delay: 19.961 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 49.54 Mbit/s
95th percentile per-packet one-way delay: 21.903 ms
Loss rate: 0.02%

Run 3: Report of QUIC Cubic — Data Link

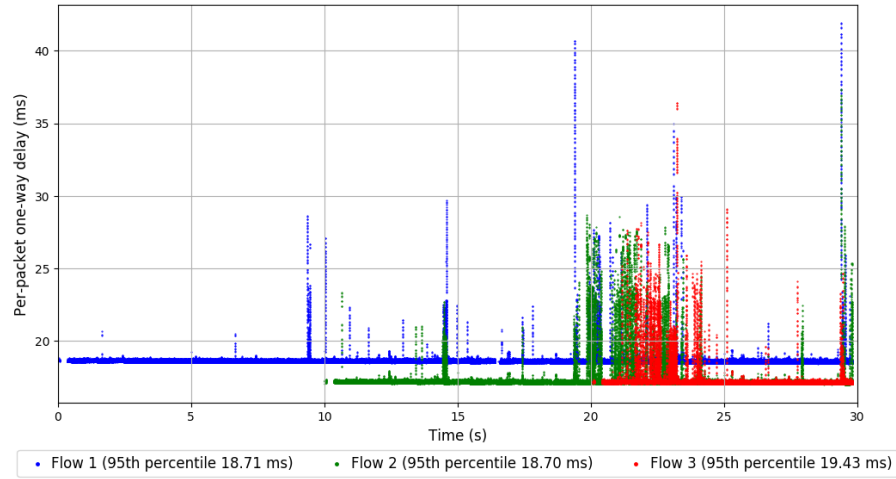
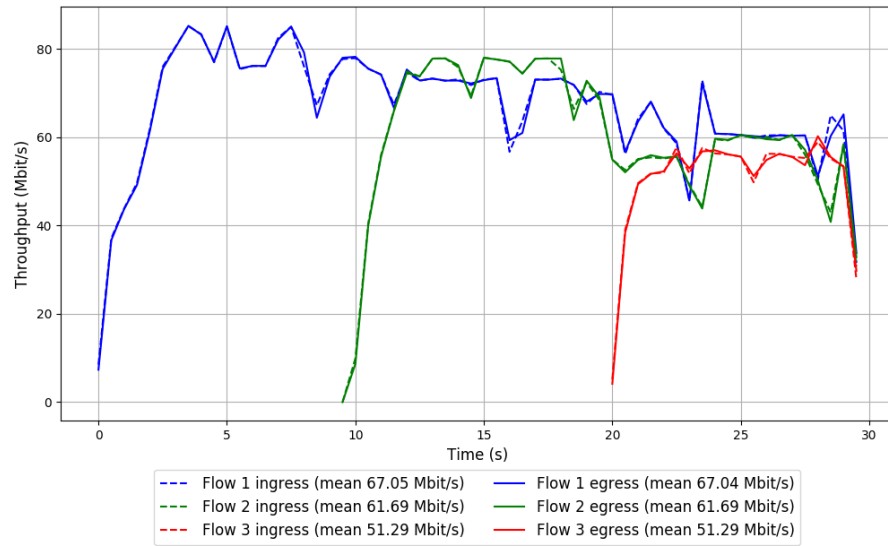


Run 4: Statistics of QUIC Cubic

Start at: 2018-03-27 20:40:40
End at: 2018-03-27 20:41:10
Local clock offset: 2.686 ms
Remote clock offset: -5.491 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.88 Mbit/s
95th percentile per-packet one-way delay: 18.719 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 67.04 Mbit/s
95th percentile per-packet one-way delay: 18.715 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 61.69 Mbit/s
95th percentile per-packet one-way delay: 18.702 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 51.29 Mbit/s
95th percentile per-packet one-way delay: 19.428 ms
Loss rate: 0.01%

Run 4: Report of QUIC Cubic — Data Link

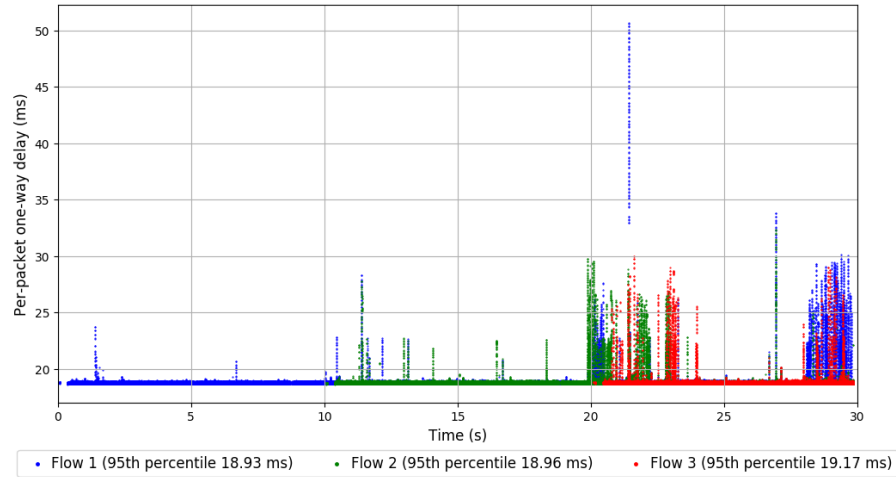
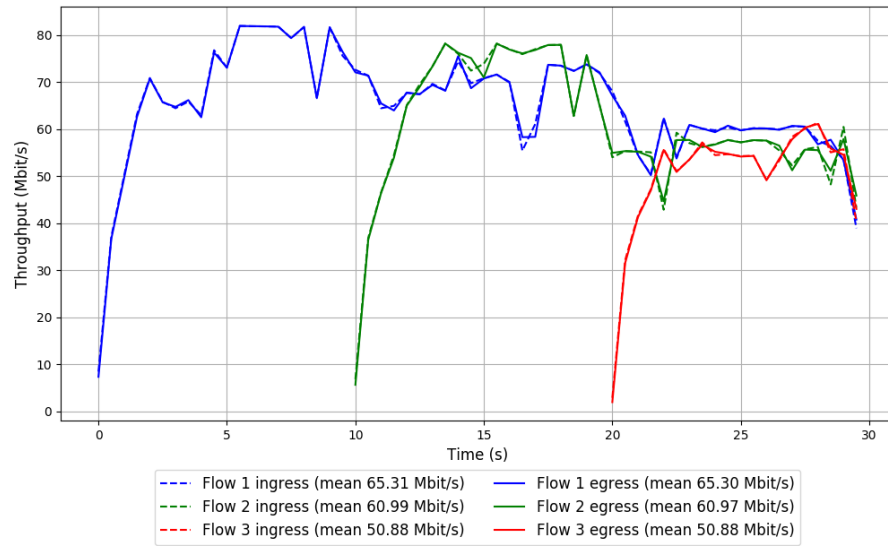


Run 5: Statistics of QUIC Cubic

Start at: 2018-03-27 21:09:27
End at: 2018-03-27 21:09:57
Local clock offset: 0.459 ms
Remote clock offset: -4.998 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 122.41 Mbit/s
95th percentile per-packet one-way delay: 18.944 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 65.30 Mbit/s
95th percentile per-packet one-way delay: 18.930 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 60.97 Mbit/s
95th percentile per-packet one-way delay: 18.956 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 50.88 Mbit/s
95th percentile per-packet one-way delay: 19.169 ms
Loss rate: 0.01%

Run 5: Report of QUIC Cubic — Data Link

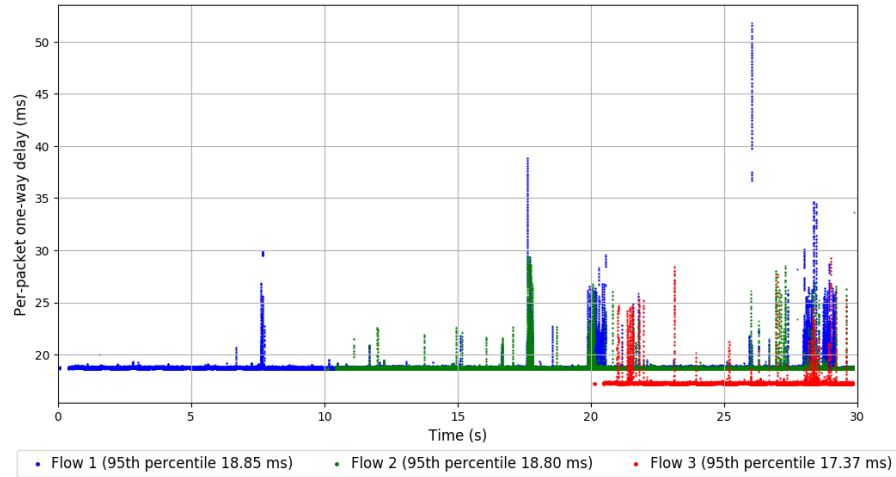
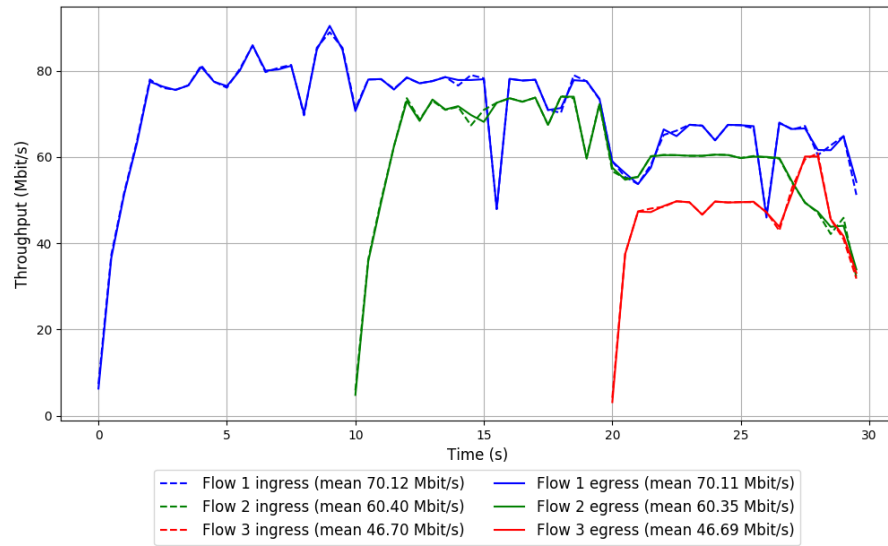


Run 6: Statistics of QUIC Cubic

Start at: 2018-03-27 21:38:21
End at: 2018-03-27 21:38:51
Local clock offset: -1.862 ms
Remote clock offset: -4.575 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 125.38 Mbit/s
95th percentile per-packet one-way delay: 18.823 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 70.11 Mbit/s
95th percentile per-packet one-way delay: 18.848 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 60.35 Mbit/s
95th percentile per-packet one-way delay: 18.795 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 46.69 Mbit/s
95th percentile per-packet one-way delay: 17.370 ms
Loss rate: 0.01%

Run 6: Report of QUIC Cubic — Data Link

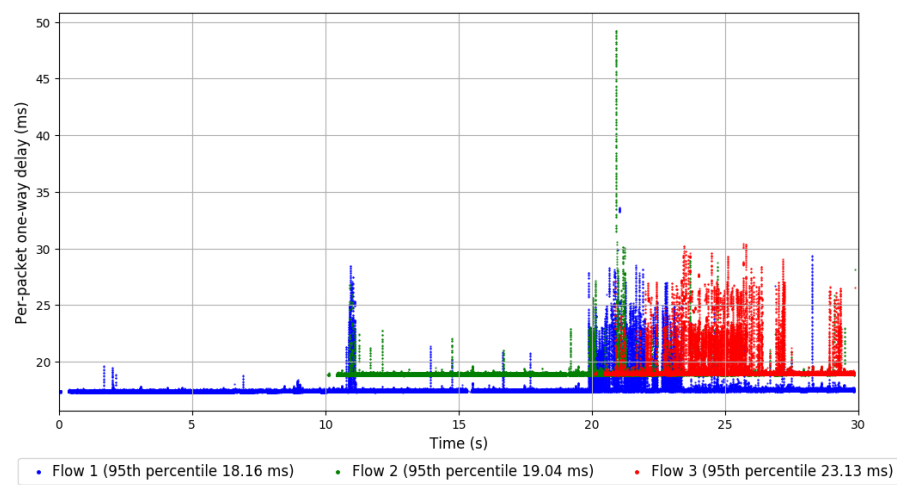
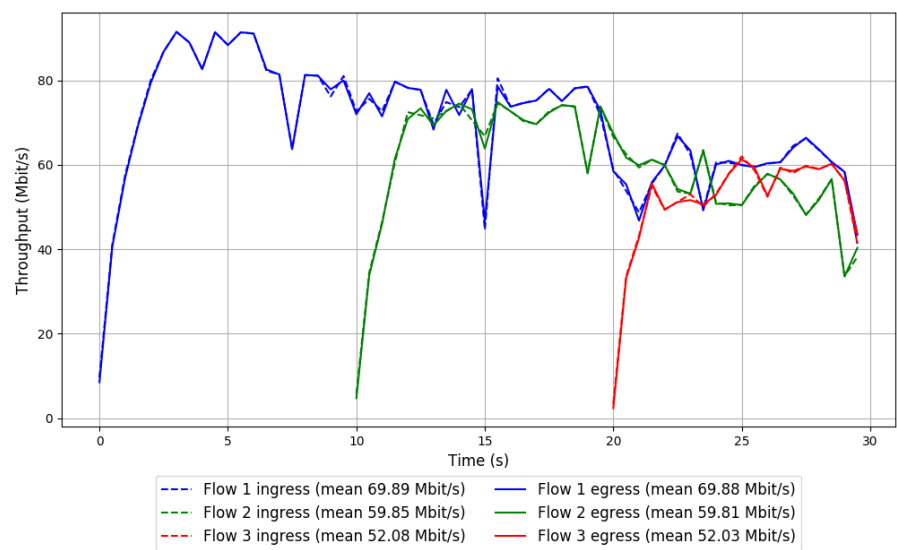


Run 7: Statistics of QUIC Cubic

Start at: 2018-03-27 22:07:17
End at: 2018-03-27 22:07:47
Local clock offset: 0.925 ms
Remote clock offset: -4.872 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 126.56 Mbit/s
95th percentile per-packet one-way delay: 19.467 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 69.88 Mbit/s
95th percentile per-packet one-way delay: 18.165 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 59.81 Mbit/s
95th percentile per-packet one-way delay: 19.036 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 52.03 Mbit/s
95th percentile per-packet one-way delay: 23.131 ms
Loss rate: 0.02%

Run 7: Report of QUIC Cubic — Data Link

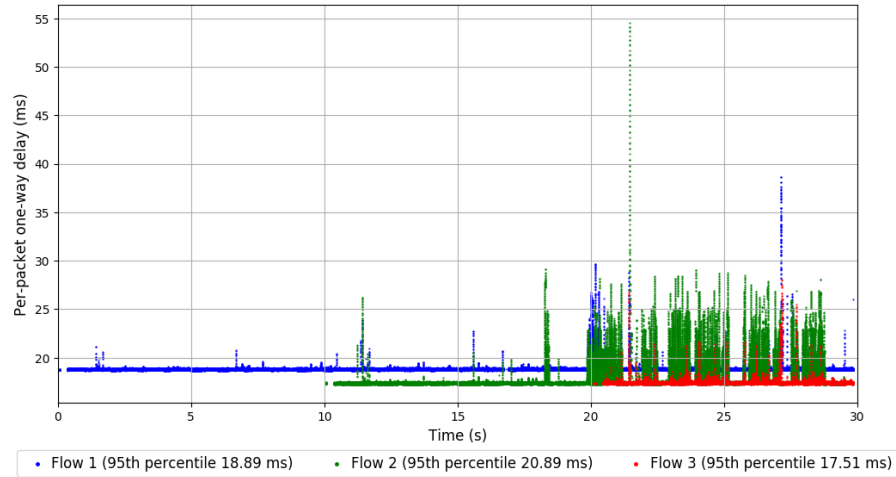
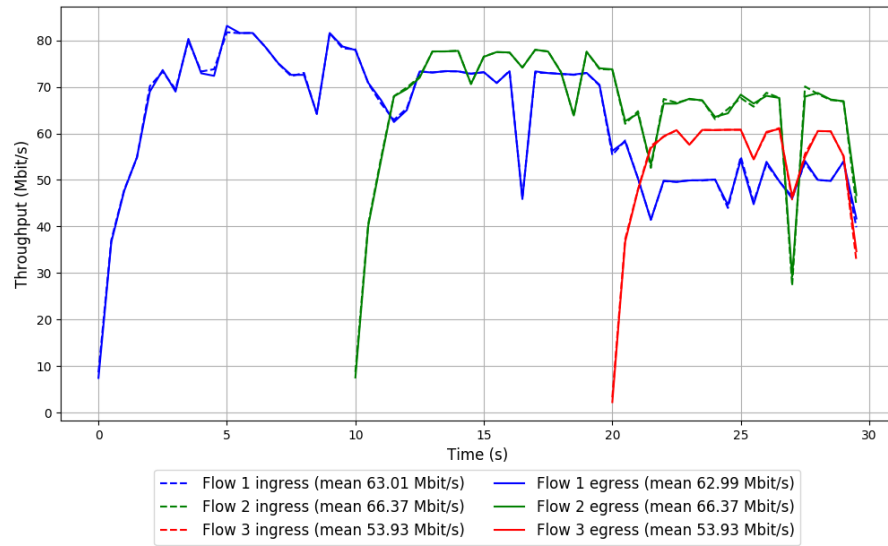


Run 8: Statistics of QUIC Cubic

Start at: 2018-03-27 22:36:06
End at: 2018-03-27 22:36:36
Local clock offset: 0.813 ms
Remote clock offset: -6.654 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.71 Mbit/s
95th percentile per-packet one-way delay: 19.028 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 62.99 Mbit/s
95th percentile per-packet one-way delay: 18.894 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 66.37 Mbit/s
95th percentile per-packet one-way delay: 20.891 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 53.93 Mbit/s
95th percentile per-packet one-way delay: 17.514 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

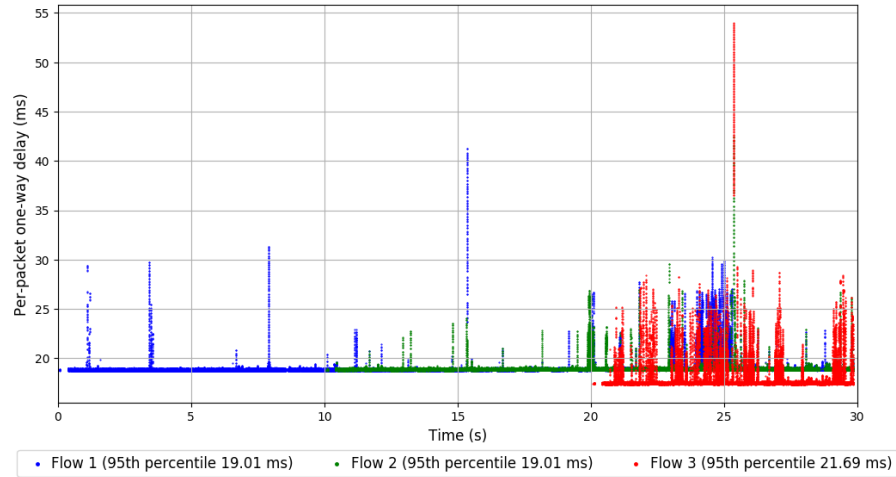
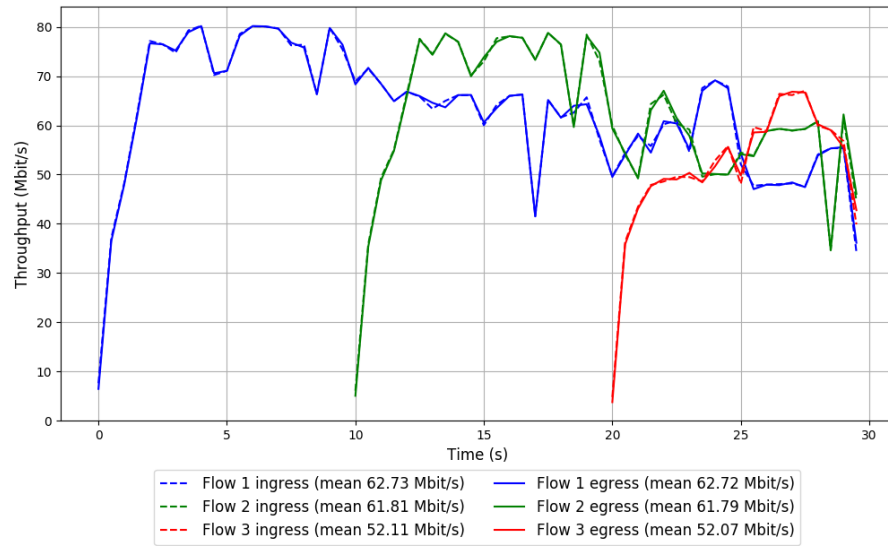


Run 9: Statistics of QUIC Cubic

Start at: 2018-03-27 23:04:51
End at: 2018-03-27 23:05:21
Local clock offset: 1.947 ms
Remote clock offset: -6.679 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 120.78 Mbit/s
95th percentile per-packet one-way delay: 19.062 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 62.72 Mbit/s
95th percentile per-packet one-way delay: 19.011 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 61.79 Mbit/s
95th percentile per-packet one-way delay: 19.008 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 52.07 Mbit/s
95th percentile per-packet one-way delay: 21.691 ms
Loss rate: 0.07%

Run 9: Report of QUIC Cubic — Data Link

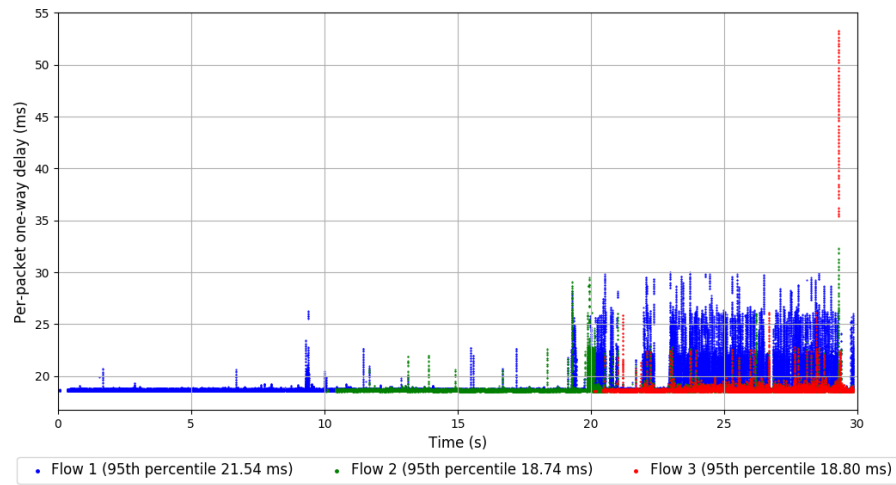
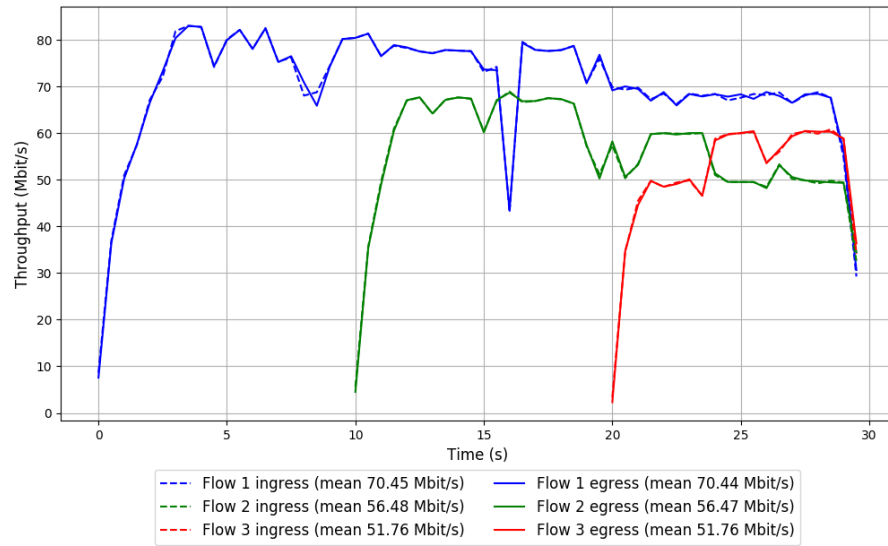


Run 10: Statistics of QUIC Cubic

Start at: 2018-03-27 23:33:47
End at: 2018-03-27 23:34:17
Local clock offset: 3.295 ms
Remote clock offset: -6.099 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.81 Mbit/s
95th percentile per-packet one-way delay: 20.645 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 70.44 Mbit/s
95th percentile per-packet one-way delay: 21.535 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 56.47 Mbit/s
95th percentile per-packet one-way delay: 18.743 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.76 Mbit/s
95th percentile per-packet one-way delay: 18.800 ms
Loss rate: 0.01%

Run 10: Report of QUIC Cubic — Data Link

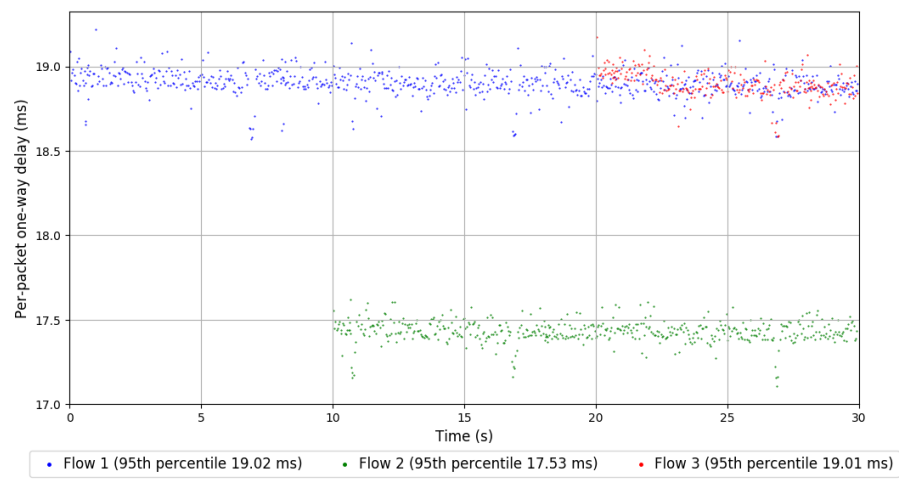
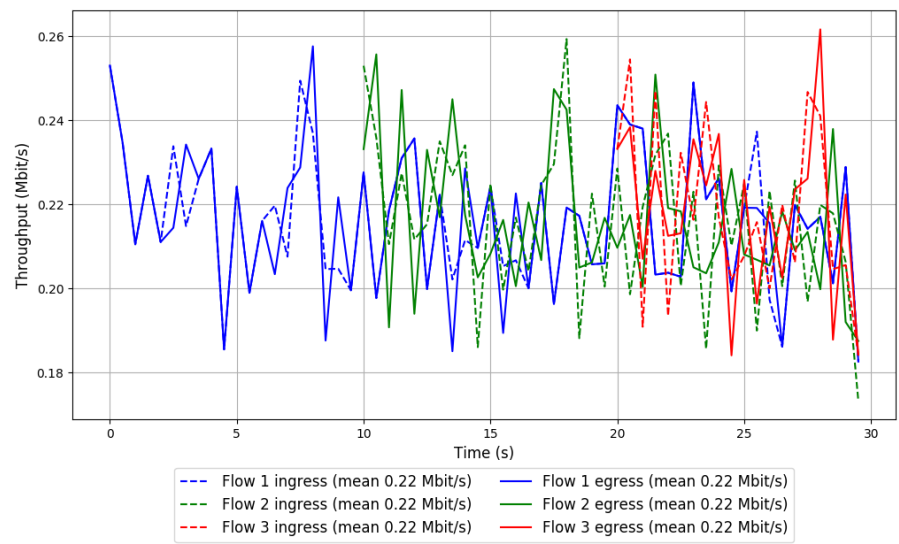


Run 1: Statistics of SReAM

Start at: 2018-03-27 19:21:44
End at: 2018-03-27 19:22:14
Local clock offset: -0.148 ms
Remote clock offset: -6.023 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 18.999 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.020 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.534 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.014 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

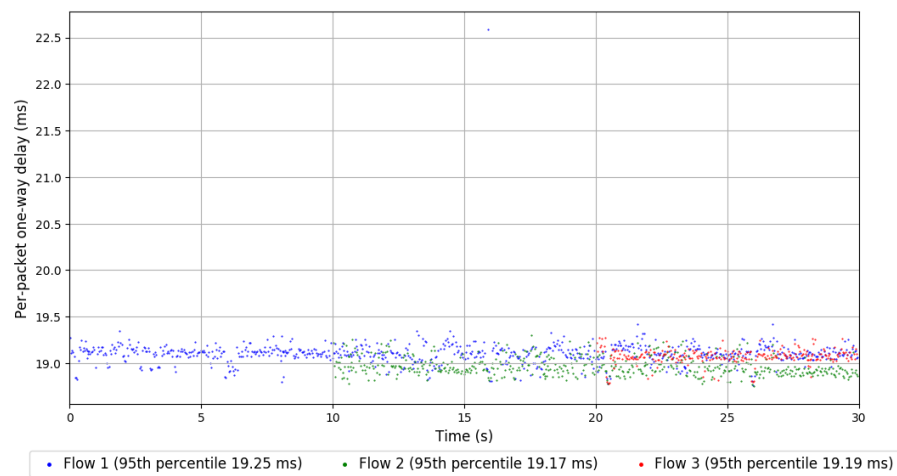
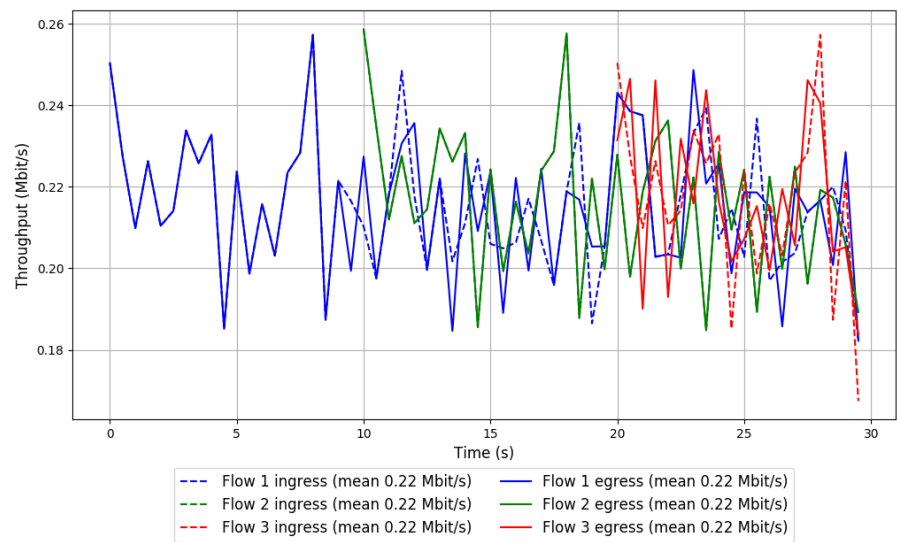


Run 2: Statistics of SReAM

Start at: 2018-03-27 19:50:24
End at: 2018-03-27 19:50:54
Local clock offset: -0.412 ms
Remote clock offset: -5.811 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.225 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.245 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.171 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.193 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

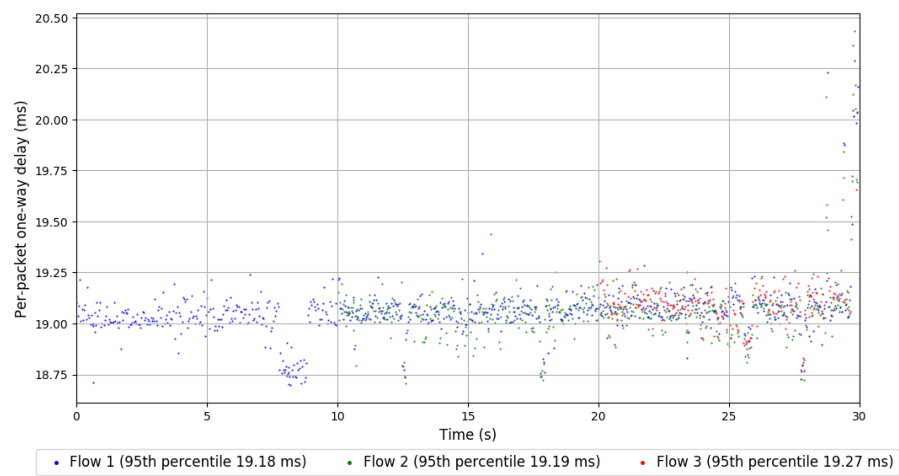
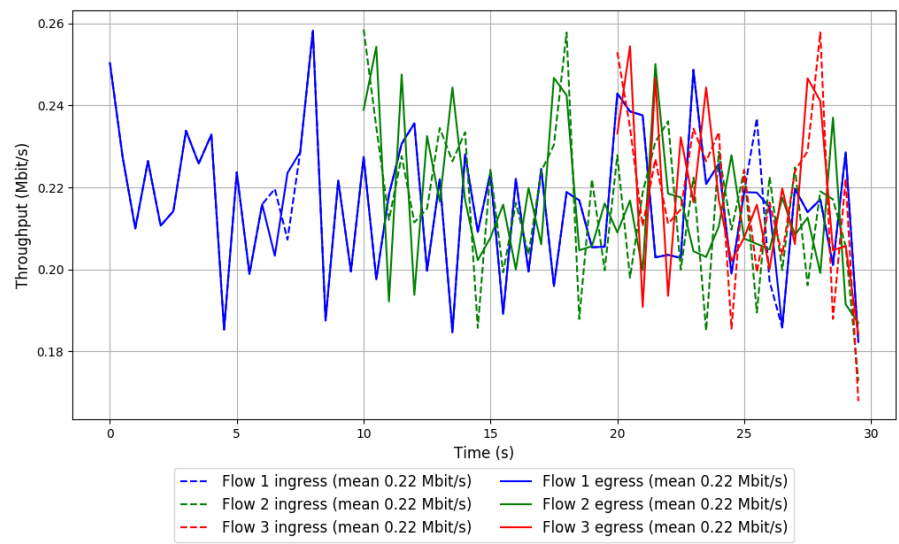


Run 3: Statistics of SReAM

Start at: 2018-03-27 20:19:12
End at: 2018-03-27 20:19:42
Local clock offset: 1.668 ms
Remote clock offset: -5.167 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.199 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.177 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.191 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.270 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

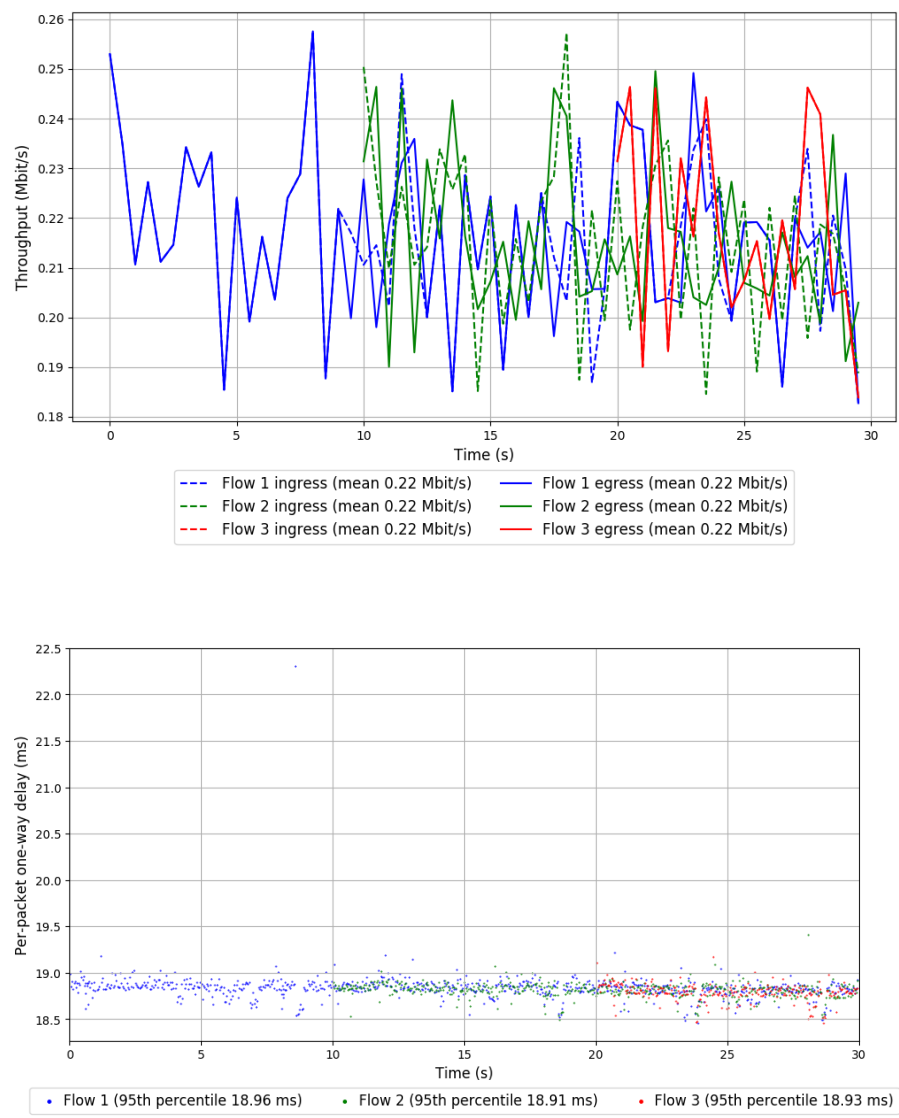


Run 4: Statistics of SReAM

Start at: 2018-03-27 20:47:31
End at: 2018-03-27 20:48:01
Local clock offset: 1.59 ms
Remote clock offset: -5.489 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 18.939 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.959 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.910 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.925 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

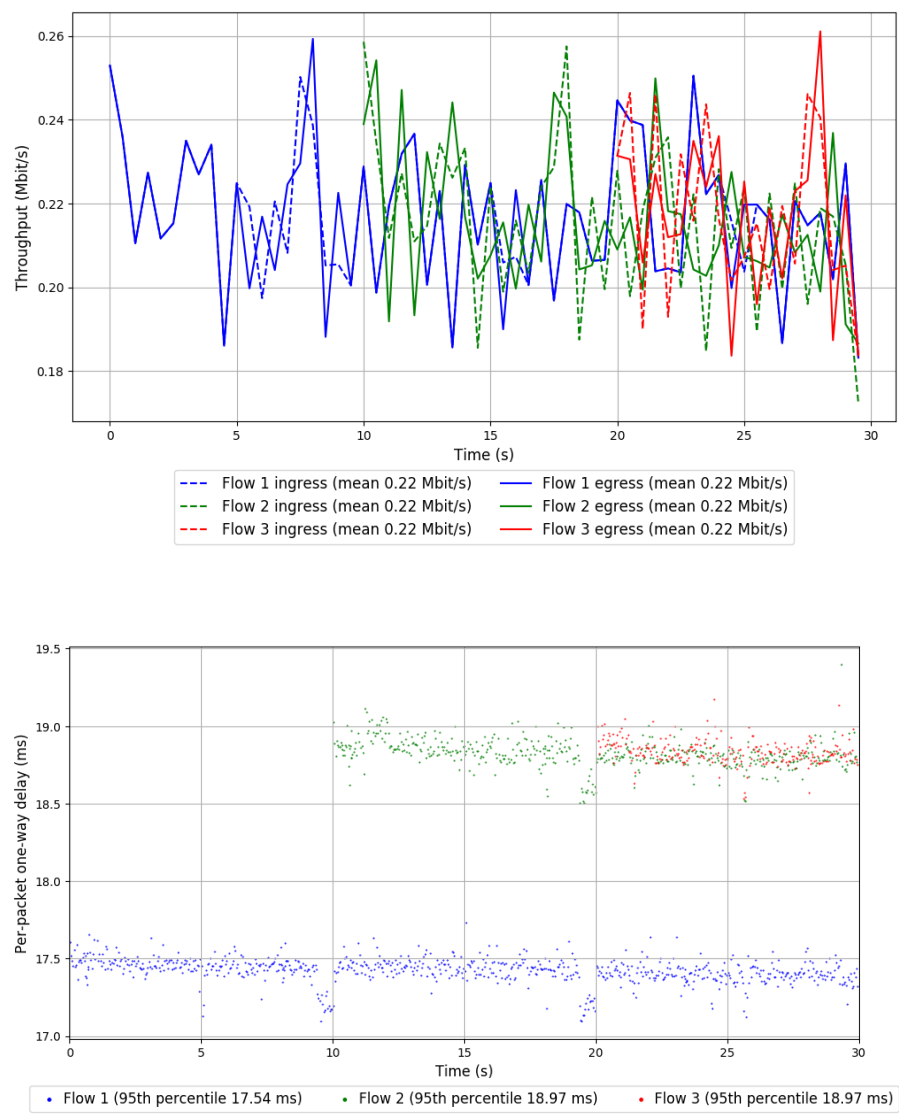


Run 5: Statistics of SReAM

Start at: 2018-03-27 21:16:19
End at: 2018-03-27 21:16:49
Local clock offset: 0.237 ms
Remote clock offset: -4.884 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 18.933 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.540 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.970 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.971 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

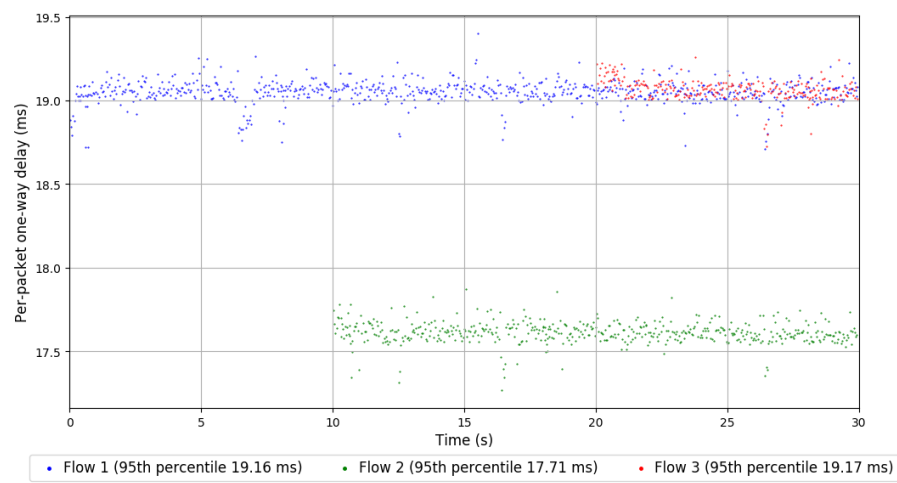
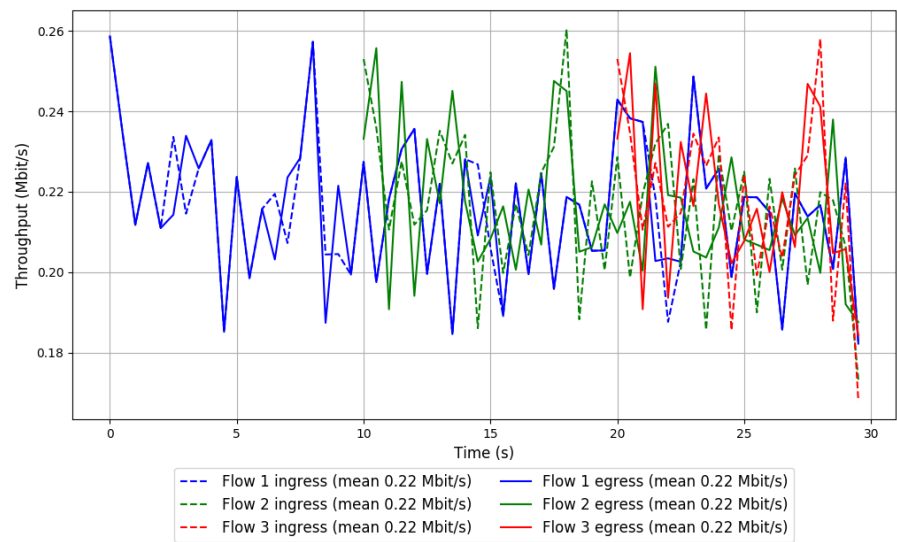


Run 6: Statistics of SReAM

Start at: 2018-03-27 21:45:12
End at: 2018-03-27 21:45:42
Local clock offset: -2.155 ms
Remote clock offset: -4.362 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.143 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.156 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.715 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.174 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

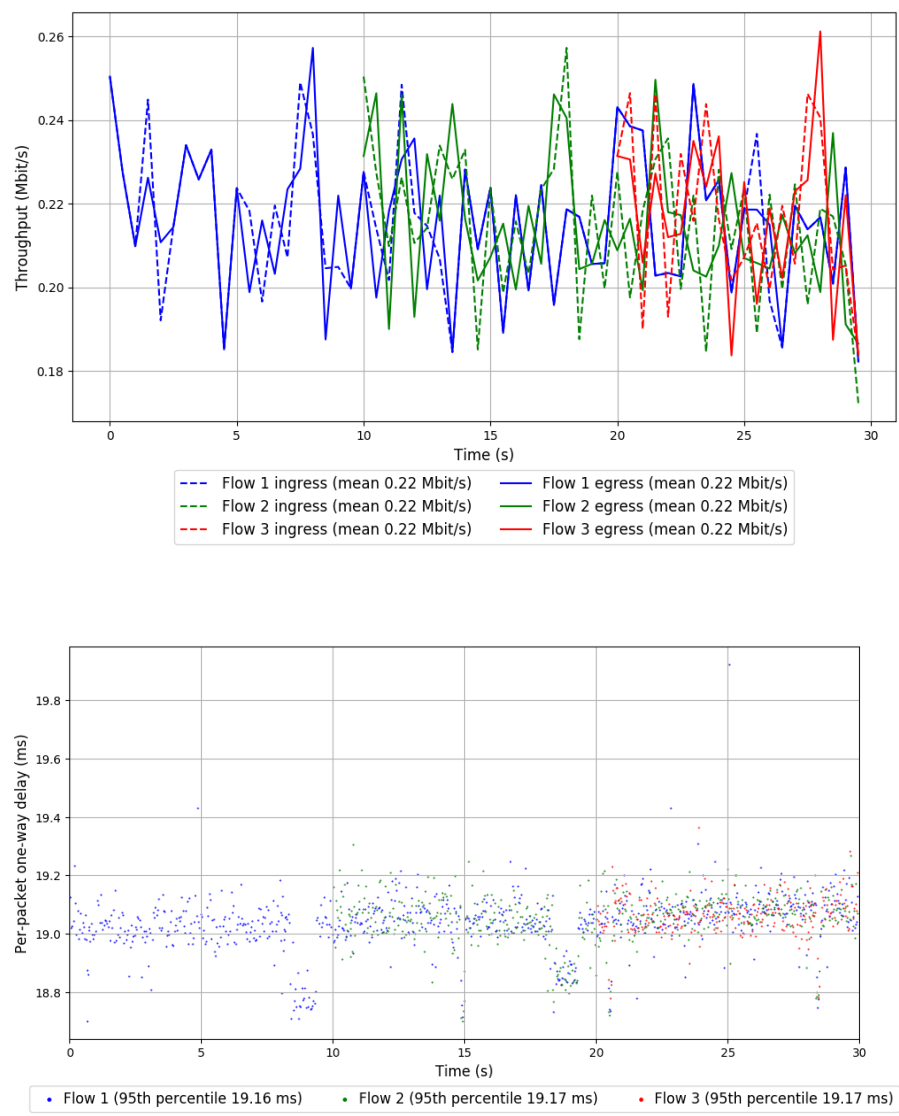


Run 7: Statistics of SReAM

Start at: 2018-03-27 22:14:09
End at: 2018-03-27 22:14:39
Local clock offset: 1.319 ms
Remote clock offset: -5.749 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.166 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.162 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.169 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.170 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

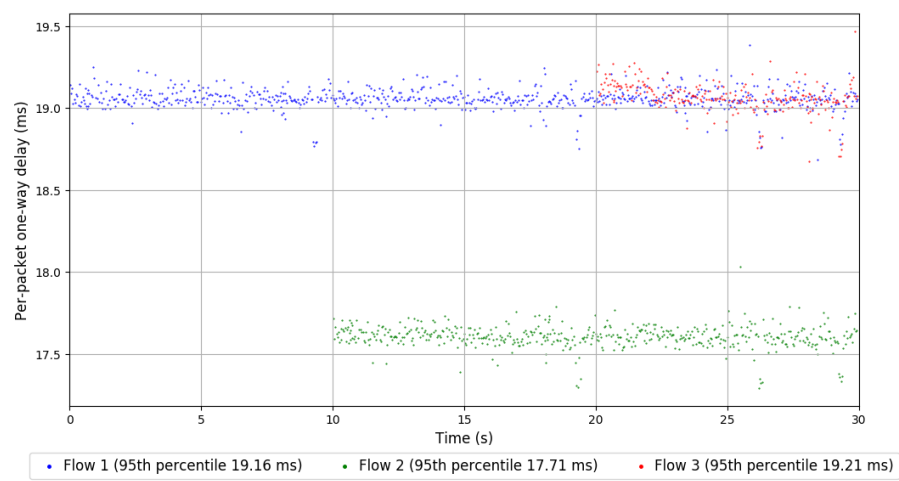
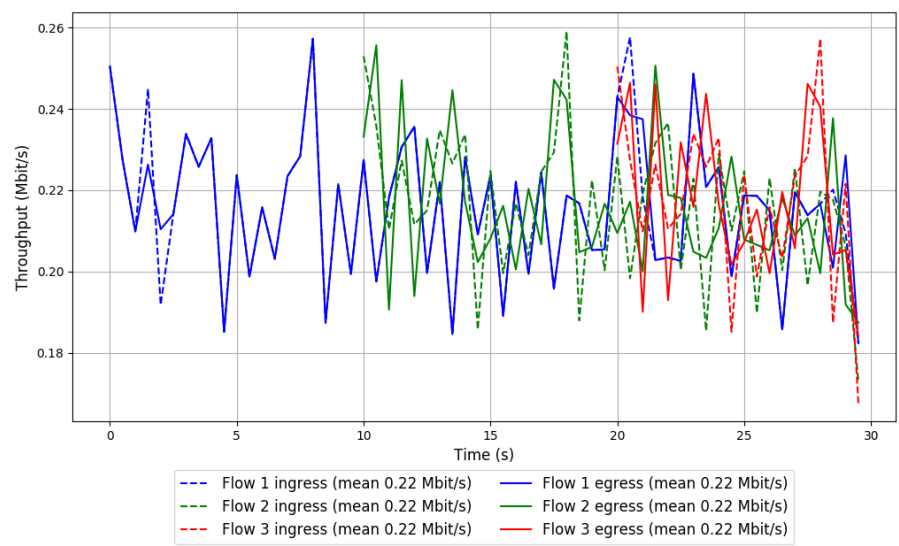


Run 8: Statistics of SReAM

Start at: 2018-03-27 22:42:58
End at: 2018-03-27 22:43:28
Local clock offset: 0.848 ms
Remote clock offset: -6.485 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.151 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.161 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.709 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.210 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

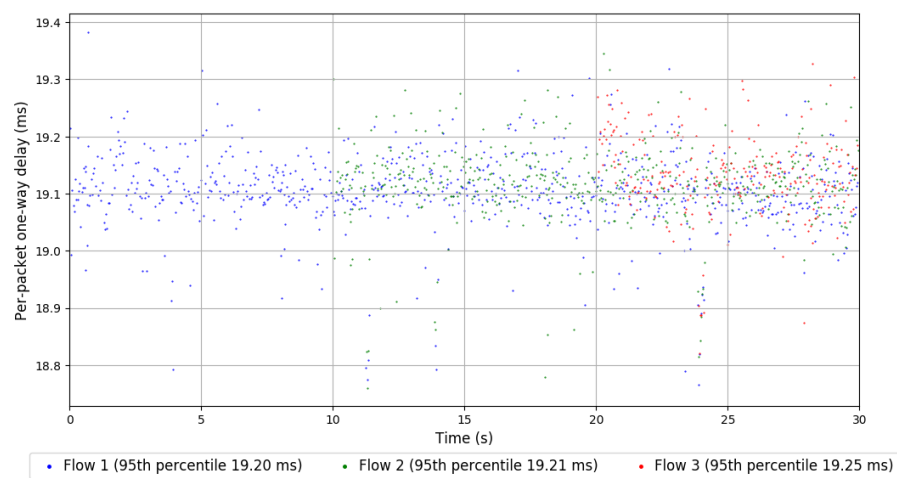
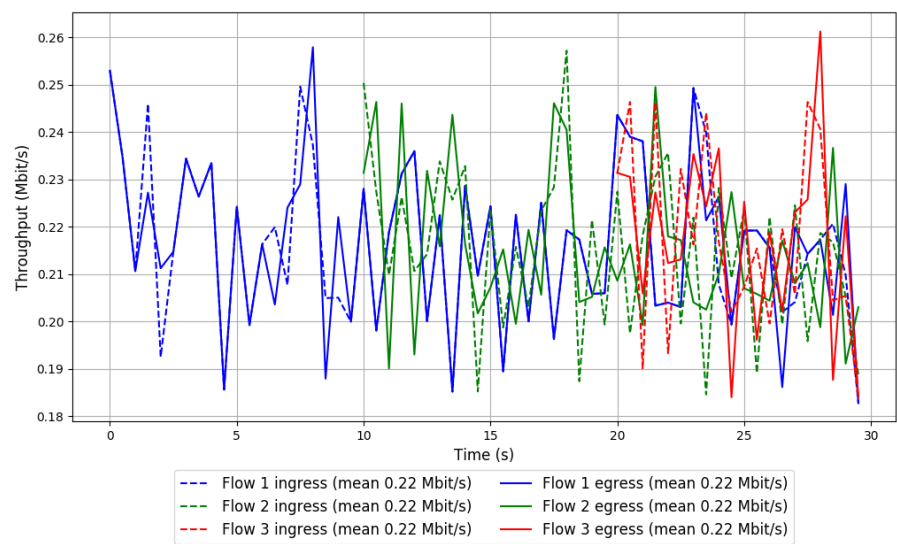


Run 9: Statistics of SReAM

Start at: 2018-03-27 23:11:43
End at: 2018-03-27 23:12:13
Local clock offset: 2.487 ms
Remote clock offset: -6.722 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.202 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.215 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.248 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

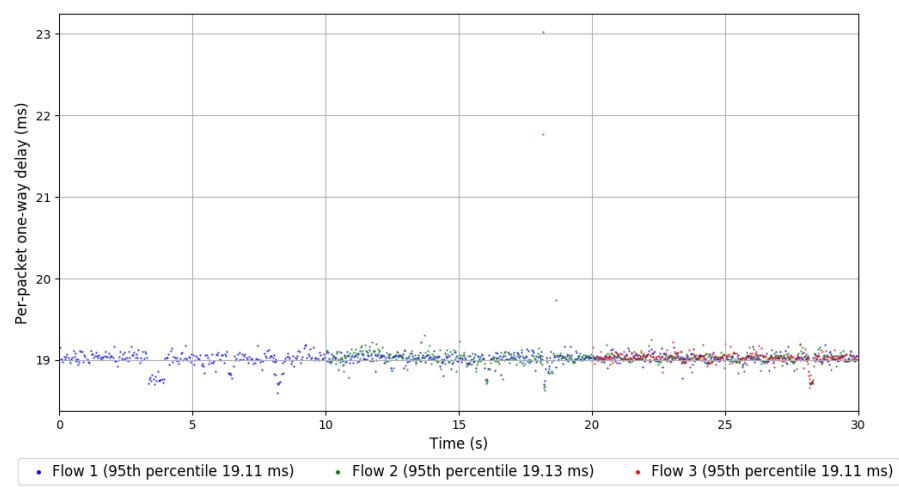
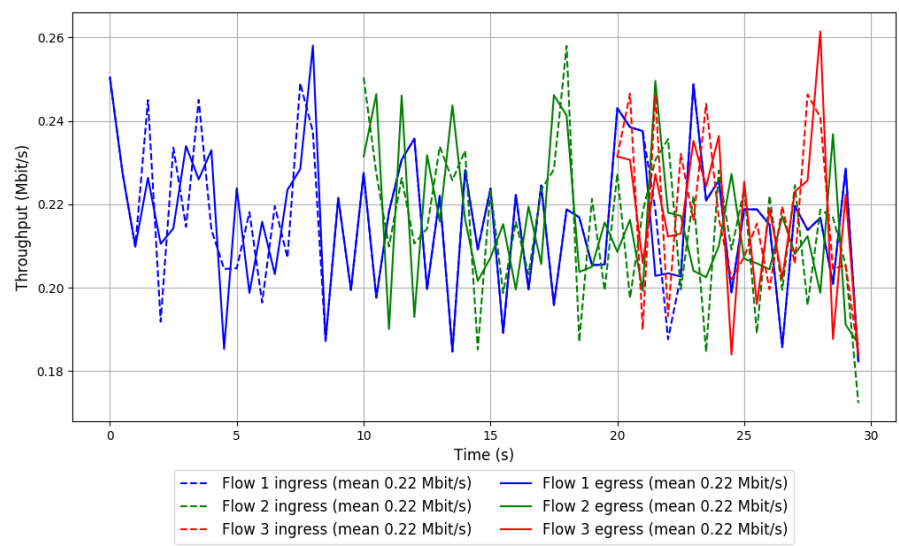


Run 10: Statistics of SReAM

Start at: 2018-03-27 23:40:38
End at: 2018-03-27 23:41:08
Local clock offset: 2.963 ms
Remote clock offset: -5.962 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.116 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.107 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.130 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.109 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

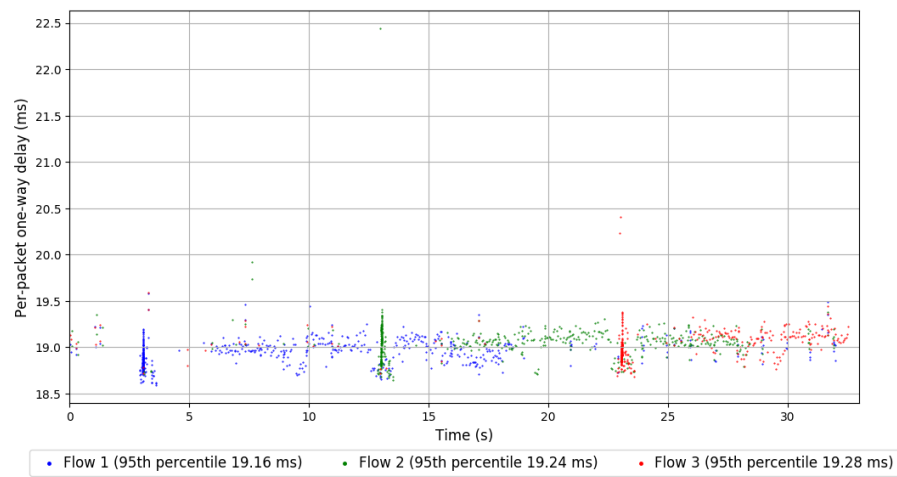
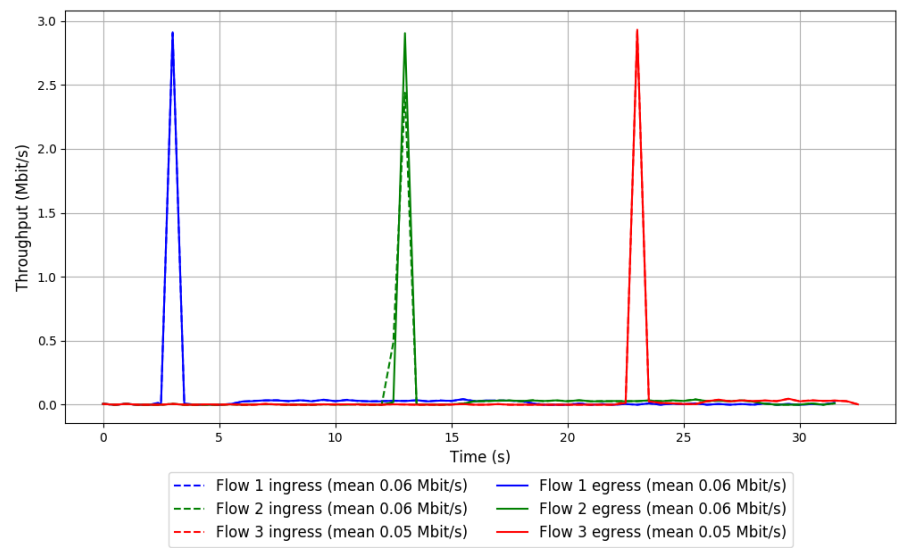


Run 1: Statistics of WebRTC media

Start at: 2018-03-27 19:33:03
End at: 2018-03-27 19:33:33
Local clock offset: -1.152 ms
Remote clock offset: -6.128 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 19.237 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.161 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.244 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.281 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

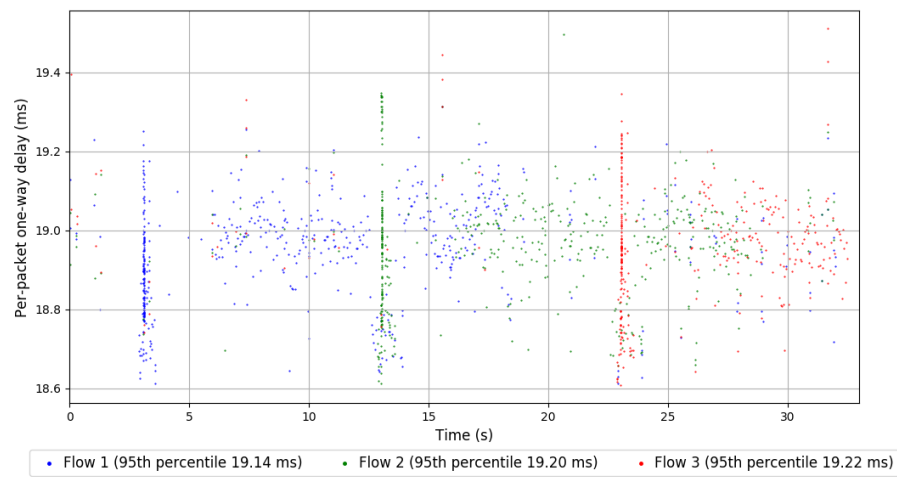
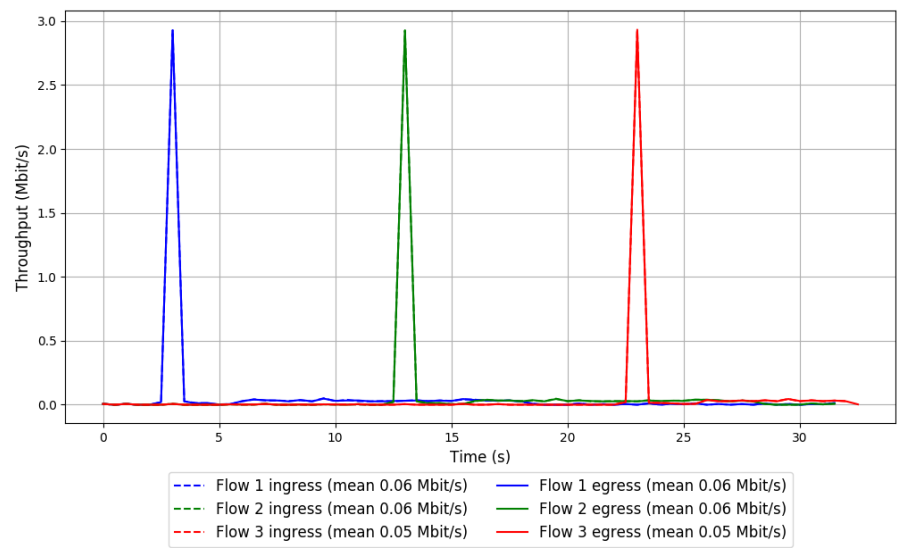


Run 2: Statistics of WebRTC media

Start at: 2018-03-27 20:01:39
End at: 2018-03-27 20:02:09
Local clock offset: -0.422 ms
Remote clock offset: -5.303 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 19.179 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.145 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.198 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.218 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

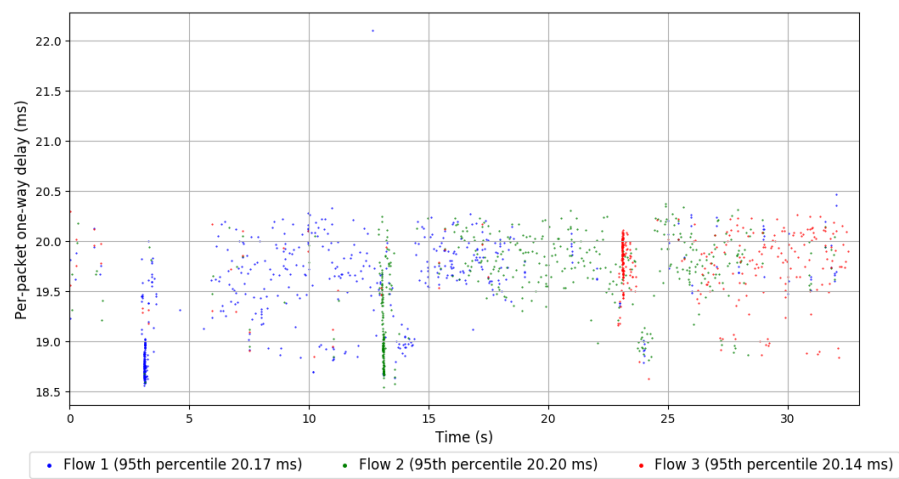
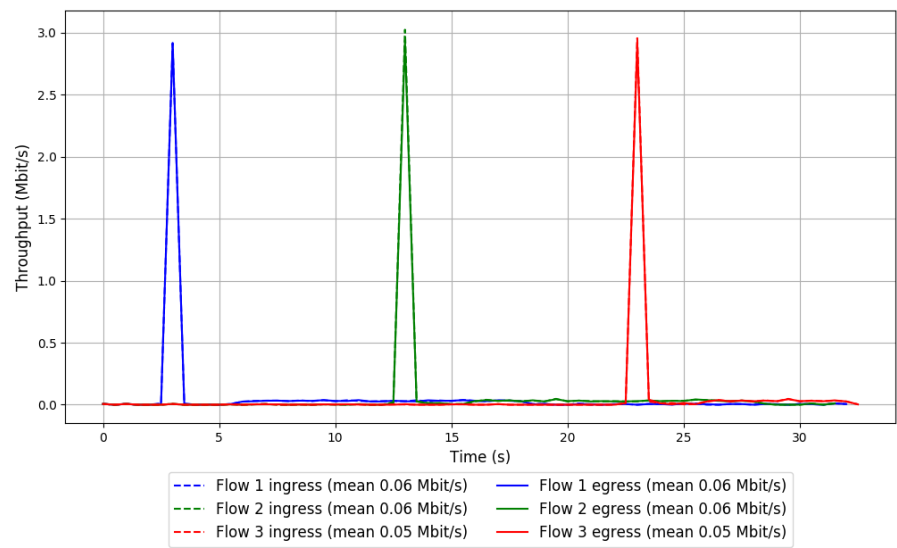


Run 3: Statistics of WebRTC media

Start at: 2018-03-27 20:30:09
End at: 2018-03-27 20:30:39
Local clock offset: 2.387 ms
Remote clock offset: -5.387 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 20.171 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 20.172 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 20.197 ms
Loss rate: 2.43%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 20.137 ms
Loss rate: 0.69%

Run 3: Report of WebRTC media — Data Link

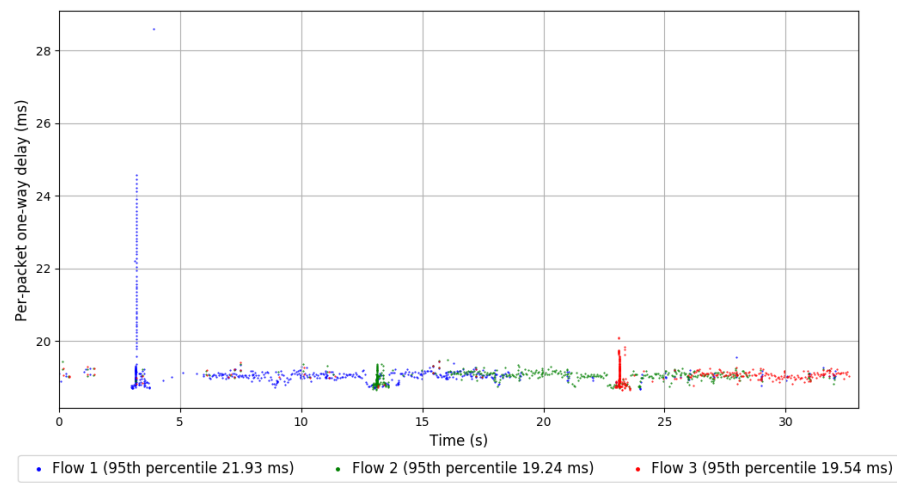
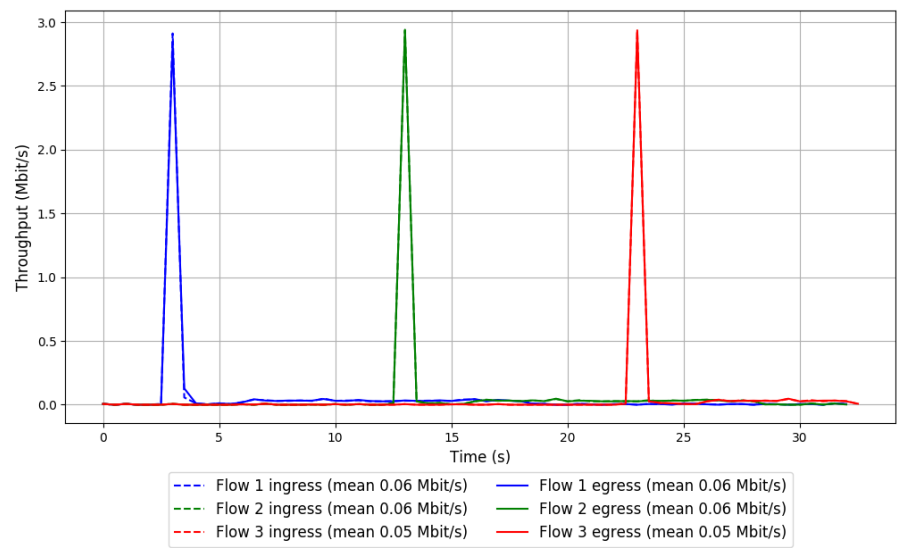


Run 4: Statistics of WebRTC media

Start at: 2018-03-27 20:58:48
End at: 2018-03-27 20:59:18
Local clock offset: 0.654 ms
Remote clock offset: -5.277 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 19.561 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 21.932 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.243 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.535 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

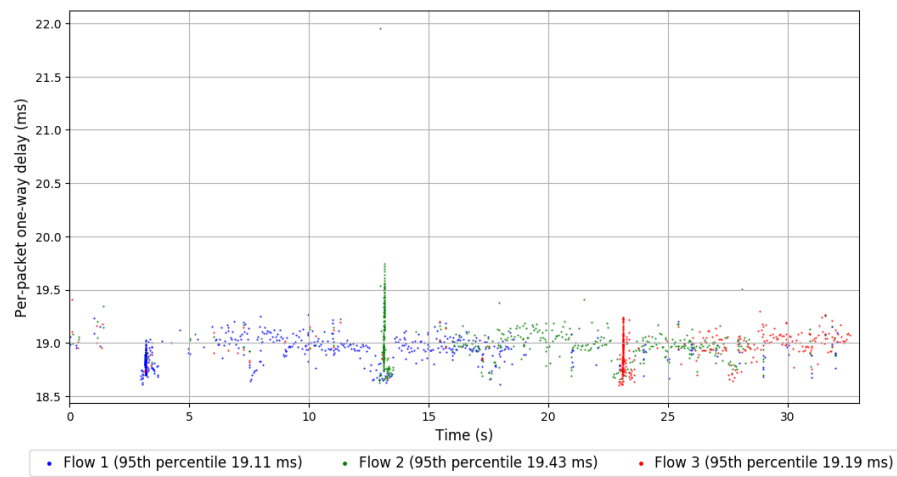
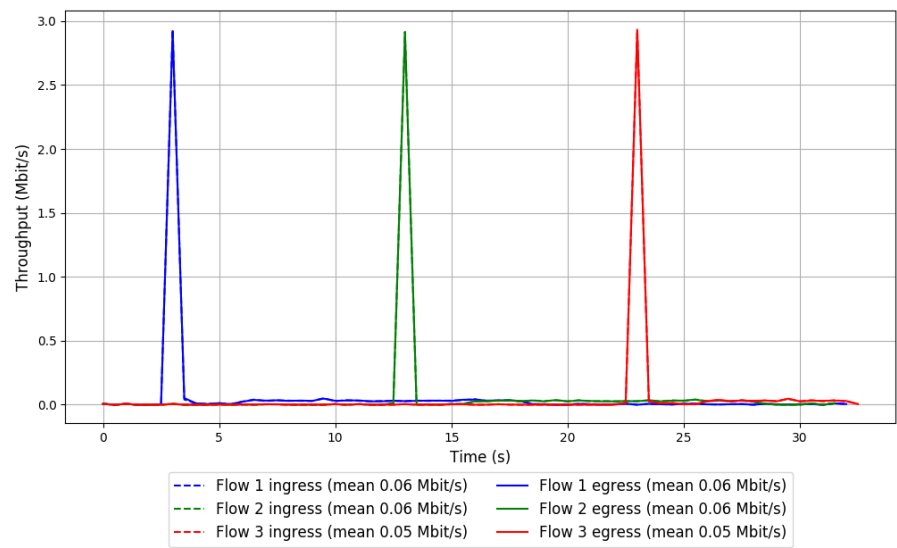


Run 5: Statistics of WebRTC media

Start at: 2018-03-27 21:27:34
End at: 2018-03-27 21:28:04
Local clock offset: -1.173 ms
Remote clock offset: -4.708 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 19.215 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.111 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.425 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.186 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

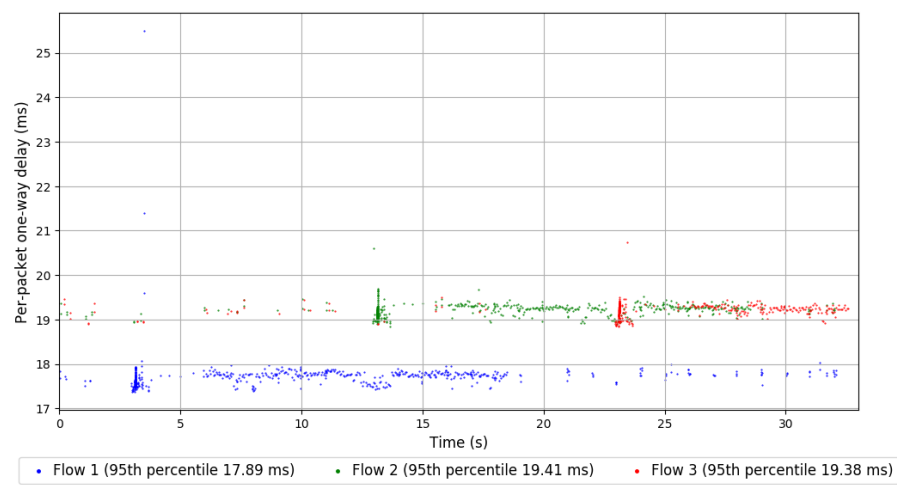
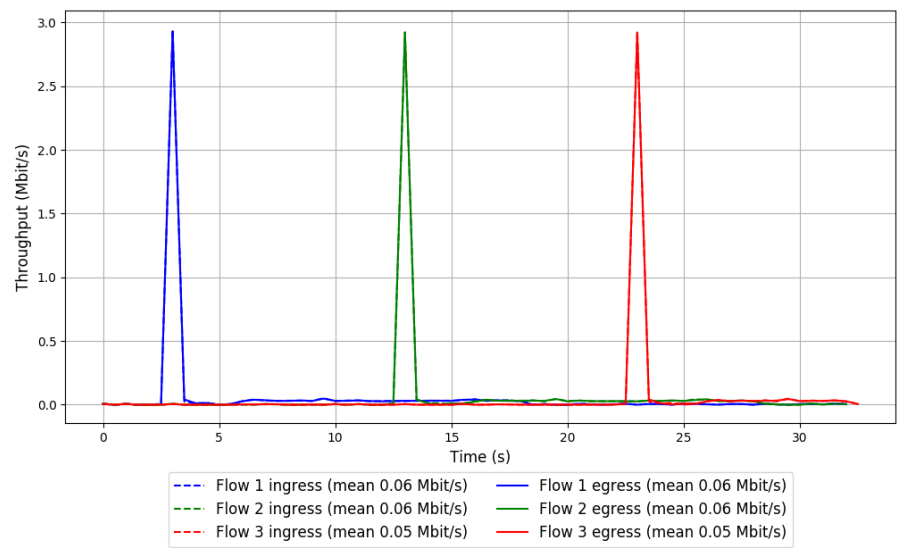


Run 6: Statistics of WebRTC media

Start at: 2018-03-27 21:56:39
End at: 2018-03-27 21:57:09
Local clock offset: -0.449 ms
Remote clock offset: -4.242 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 19.369 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 17.894 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.410 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.383 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

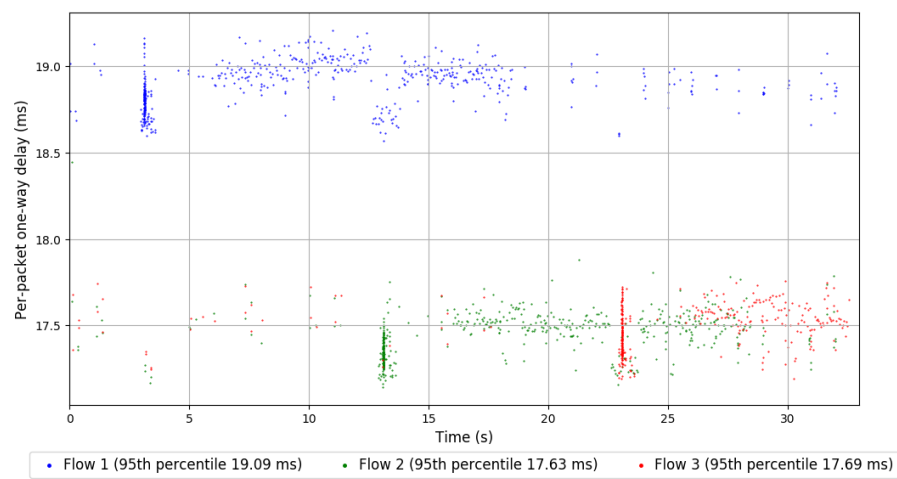
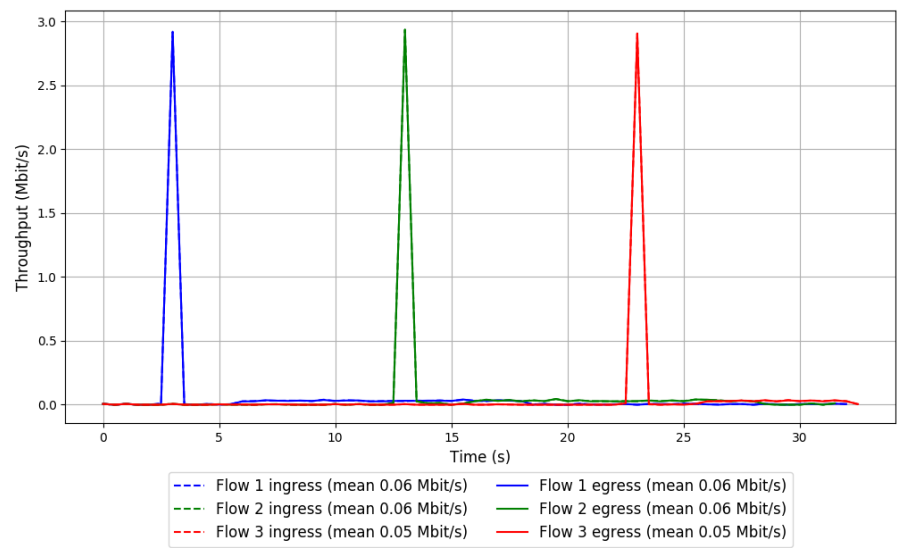


Run 7: Statistics of WebRTC media

Start at: 2018-03-27 22:25:27
End at: 2018-03-27 22:25:57
Local clock offset: 1.522 ms
Remote clock offset: -6.228 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 19.036 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.095 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 17.631 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 17.687 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

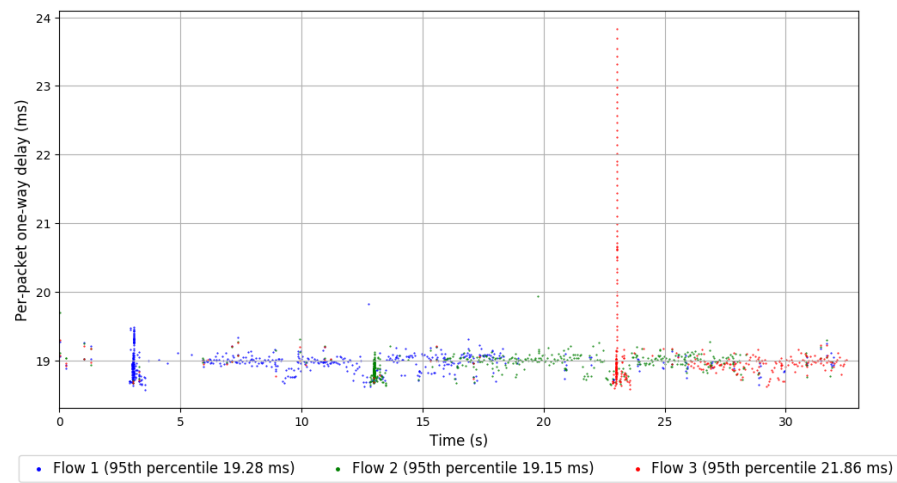
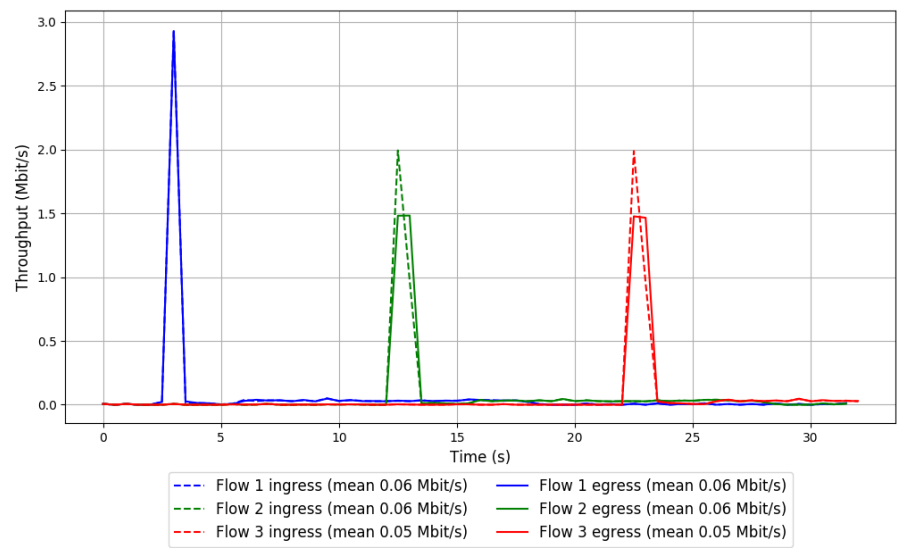


Run 8: Statistics of WebRTC media

Start at: 2018-03-27 22:54:10
End at: 2018-03-27 22:54:40
Local clock offset: 0.854 ms
Remote clock offset: -6.619 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 19.311 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.276 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.152 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 21.860 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

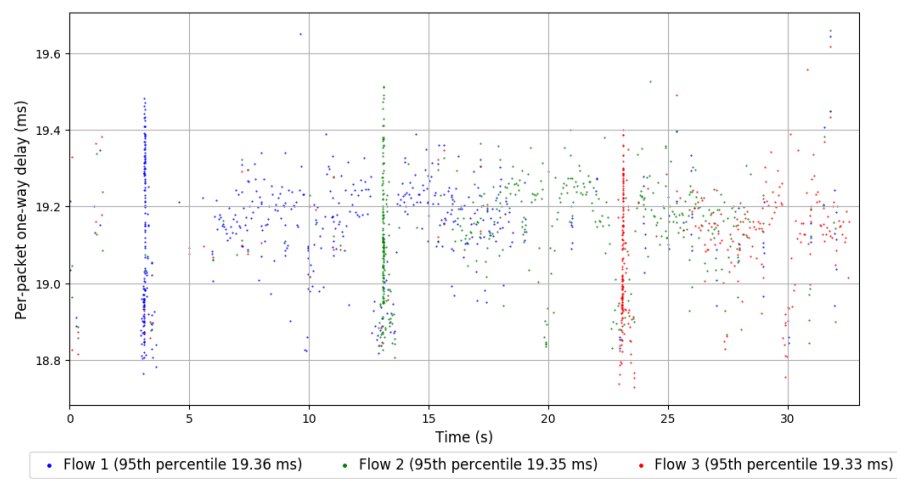
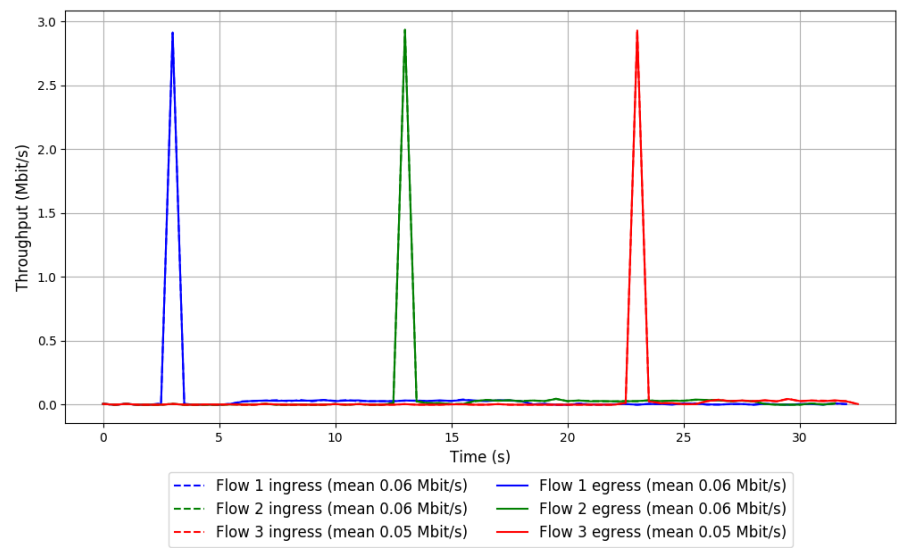


Run 9: Statistics of WebRTC media

Start at: 2018-03-27 23:22:59
End at: 2018-03-27 23:23:29
Local clock offset: 2.995 ms
Remote clock offset: -6.169 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 19.353 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.361 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.353 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.334 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

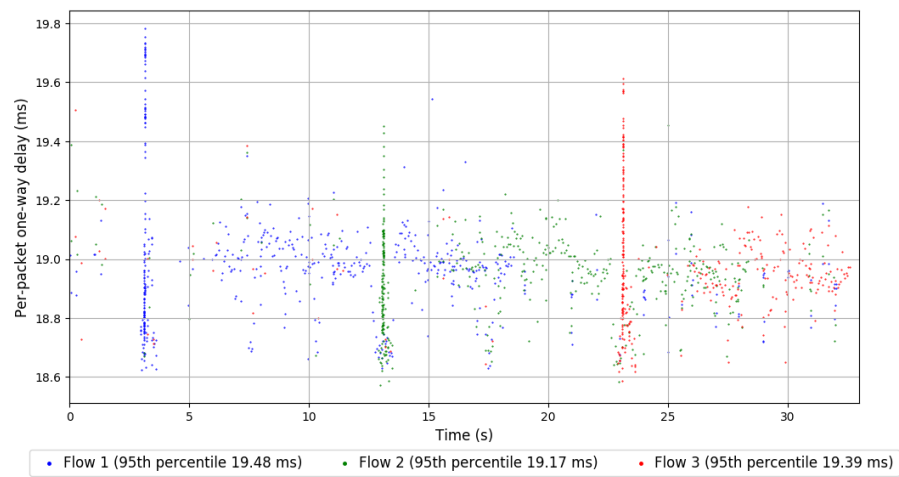
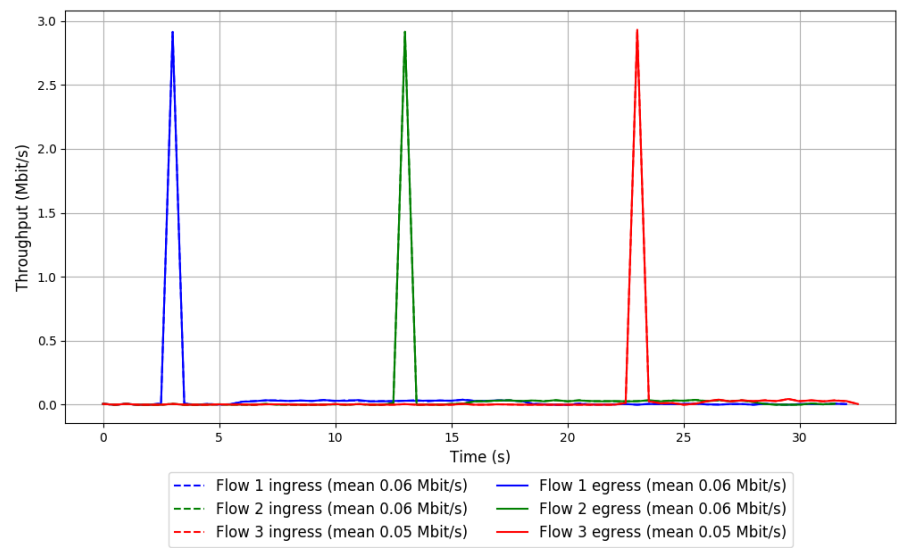


Run 10: Statistics of WebRTC media

Start at: 2018-03-27 23:52:01
End at: 2018-03-27 23:52:31
Local clock offset: 2.849 ms
Remote clock offset: -4.875 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 19.350 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.483 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.166 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.391 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

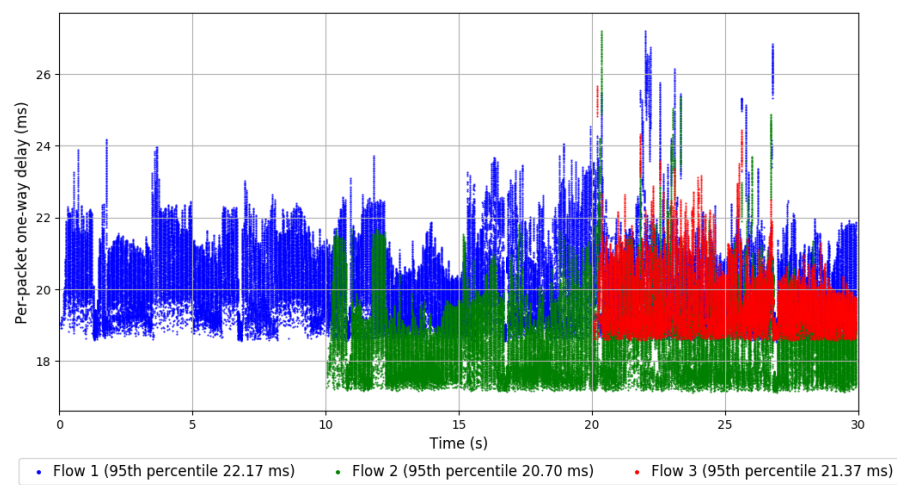
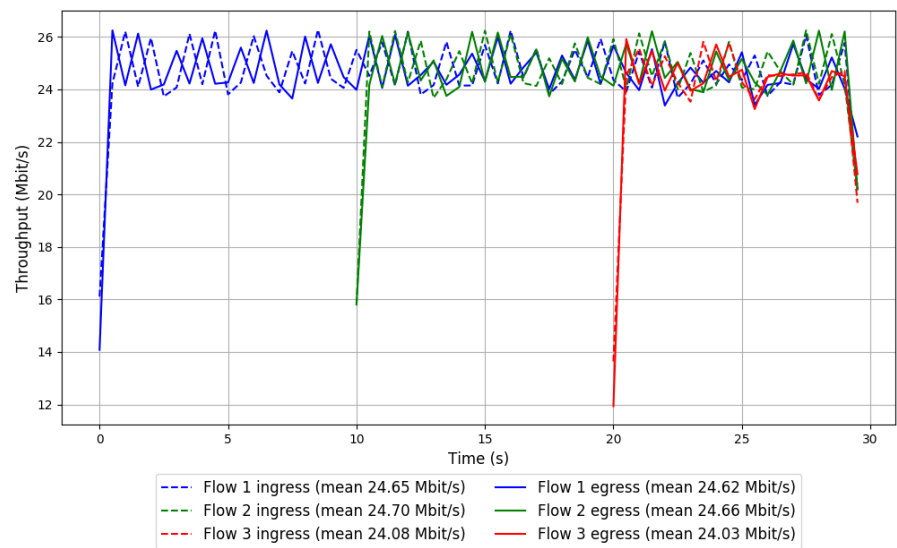


Run 1: Statistics of Sprout

Start at: 2018-03-27 19:31:44
End at: 2018-03-27 19:32:14
Local clock offset: -1.098 ms
Remote clock offset: -6.12 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.95 Mbit/s
95th percentile per-packet one-way delay: 21.842 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 22.171 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 20.700 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 24.03 Mbit/s
95th percentile per-packet one-way delay: 21.370 ms
Loss rate: 0.19%

Run 1: Report of Sprout — Data Link

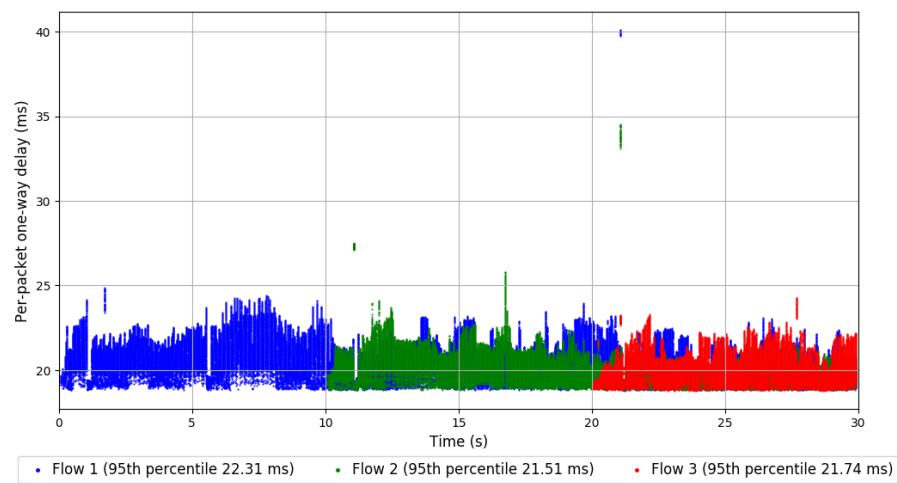
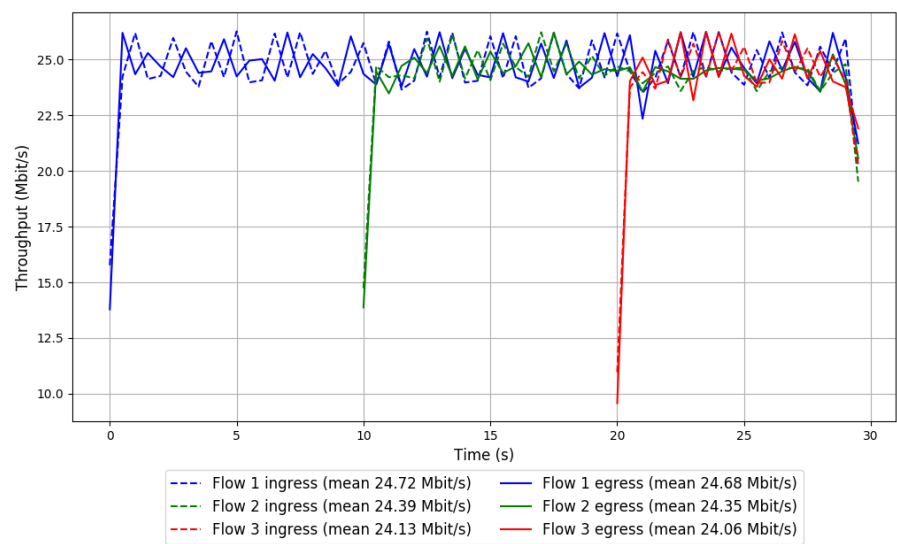


Run 2: Statistics of Sprout

Start at: 2018-03-27 20:00:19
End at: 2018-03-27 20:00:49
Local clock offset: -0.484 ms
Remote clock offset: -5.31 ms

```
# Below is generated by plot.py at 2018-03-28 03:19:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.82 Mbit/s
95th percentile per-packet one-way delay: 22.029 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 22.310 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: 21.510 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 24.06 Mbit/s
95th percentile per-packet one-way delay: 21.744 ms
Loss rate: 0.26%
```

Run 2: Report of Sprout — Data Link

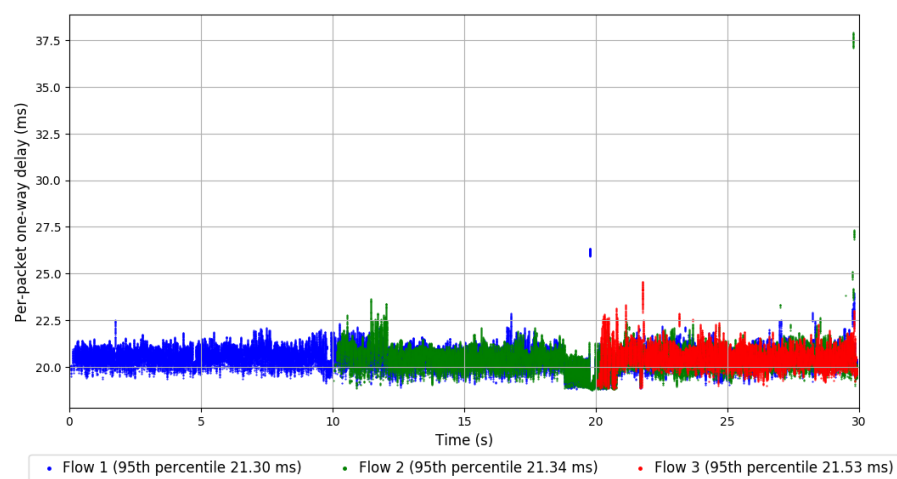
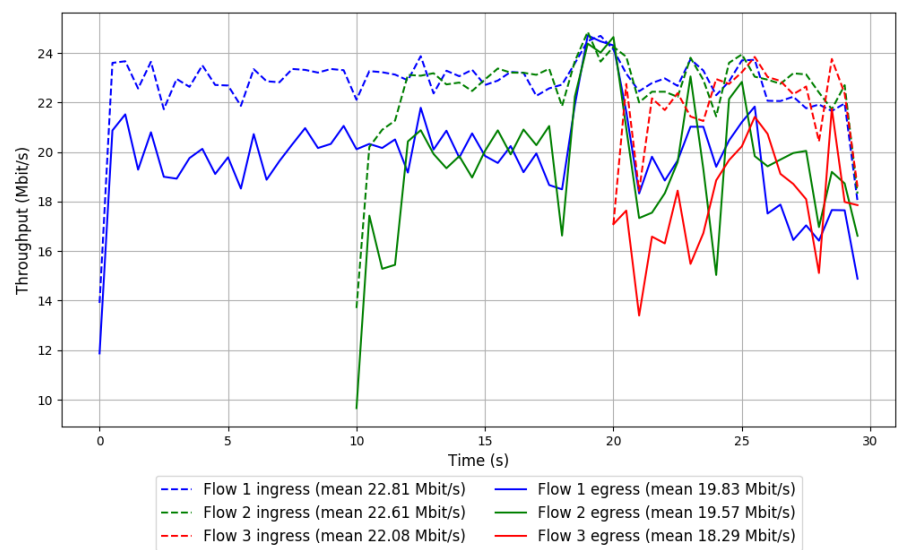


Run 3: Statistics of Sprout

Start at: 2018-03-27 20:28:50
End at: 2018-03-27 20:29:20
Local clock offset: 2.202 ms
Remote clock offset: -5.352 ms

```
# Below is generated by plot.py at 2018-03-28 03:19:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 38.88 Mbit/s
95th percentile per-packet one-way delay: 21.348 ms
Loss rate: 13.85%
-- Flow 1:
Average throughput: 19.83 Mbit/s
95th percentile per-packet one-way delay: 21.297 ms
Loss rate: 13.06%
-- Flow 2:
Average throughput: 19.57 Mbit/s
95th percentile per-packet one-way delay: 21.345 ms
Loss rate: 13.45%
-- Flow 3:
Average throughput: 18.29 Mbit/s
95th percentile per-packet one-way delay: 21.533 ms
Loss rate: 17.15%
```


Run 3: Report of Sprout — Data Link

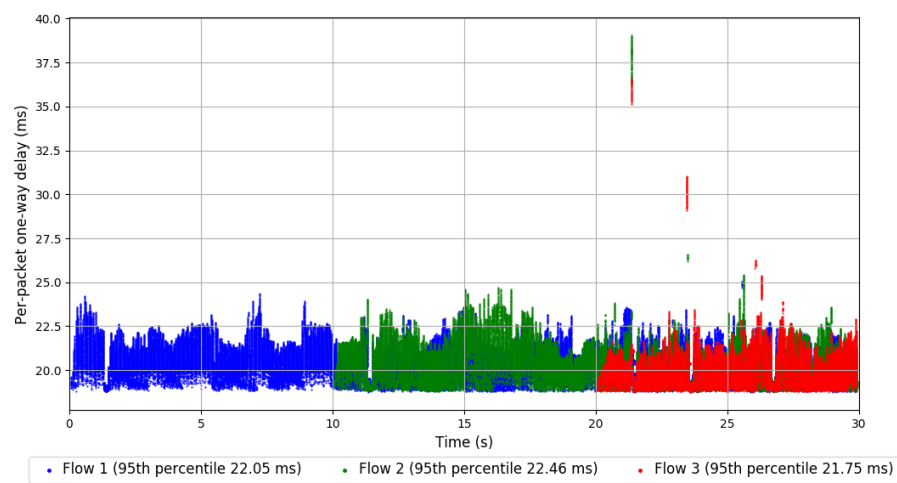
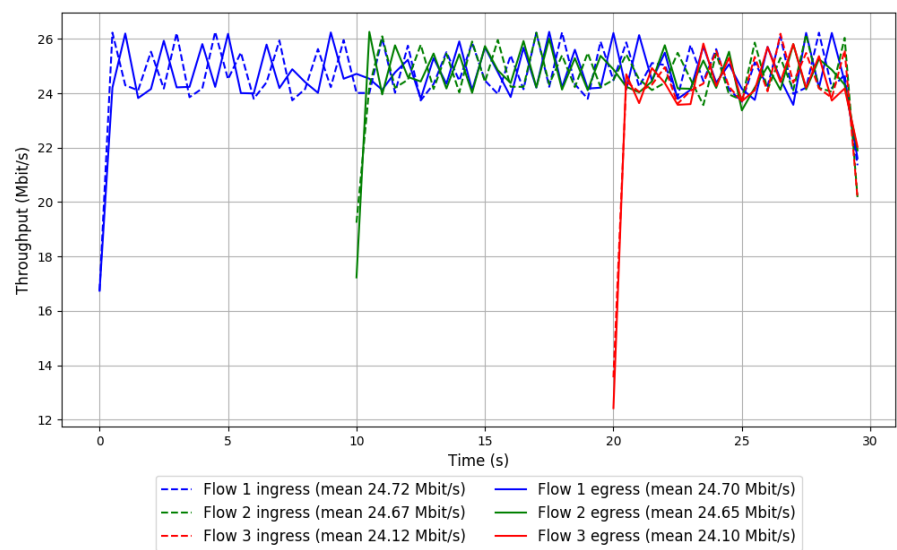


Run 4: Statistics of Sprout

Start at: 2018-03-27 20:57:28
End at: 2018-03-27 20:57:58
Local clock offset: 0.709 ms
Remote clock offset: -5.289 ms

```
# Below is generated by plot.py at 2018-03-28 03:19:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.05 Mbit/s
95th percentile per-packet one-way delay: 22.142 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 22.051 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 22.461 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.10 Mbit/s
95th percentile per-packet one-way delay: 21.753 ms
Loss rate: 0.04%
```

Run 4: Report of Sprout — Data Link

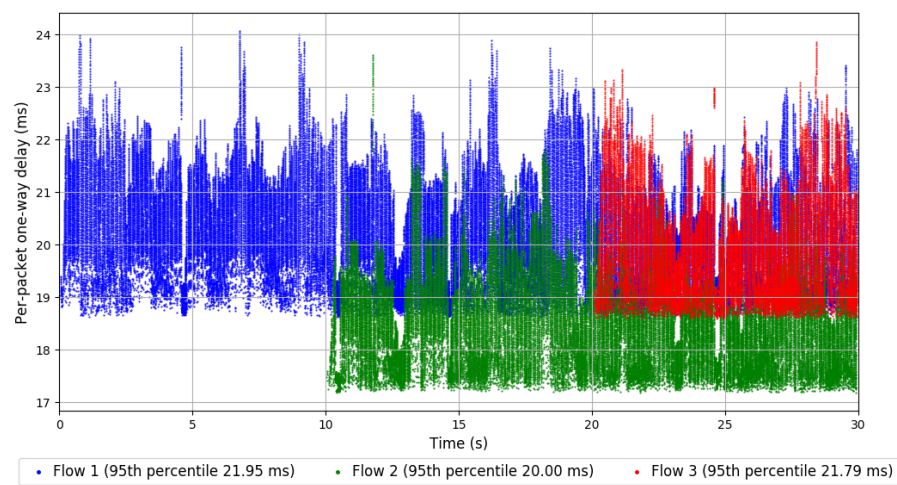
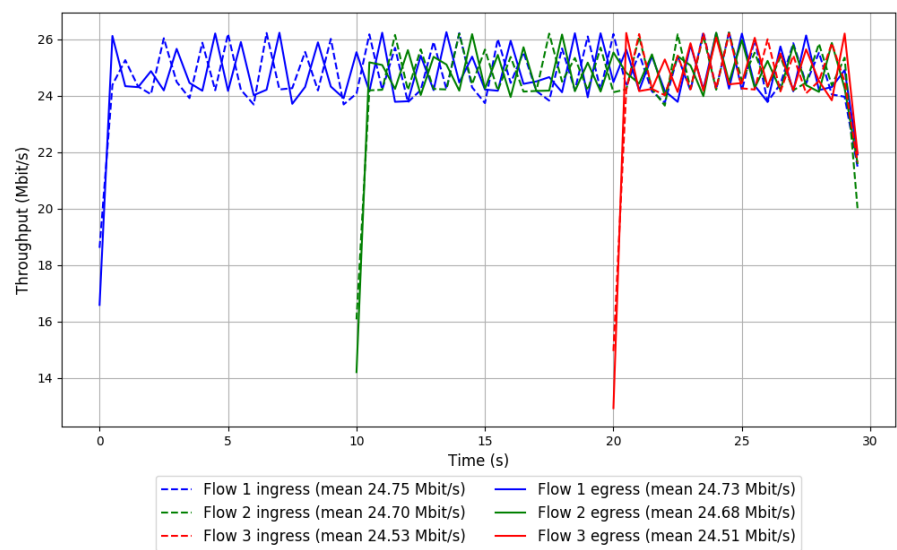


Run 5: Statistics of Sprout

Start at: 2018-03-27 21:26:14
End at: 2018-03-27 21:26:44
Local clock offset: -1.132 ms
Remote clock offset: -4.844 ms

```
# Below is generated by plot.py at 2018-03-28 03:19:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.24 Mbit/s
95th percentile per-packet one-way delay: 21.689 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 21.948 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 19.995 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 21.786 ms
Loss rate: 0.08%
```

Run 5: Report of Sprout — Data Link

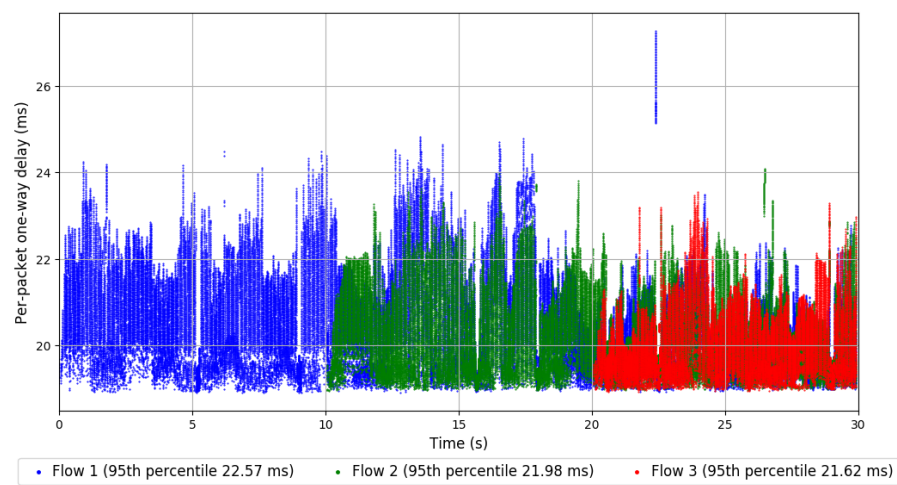
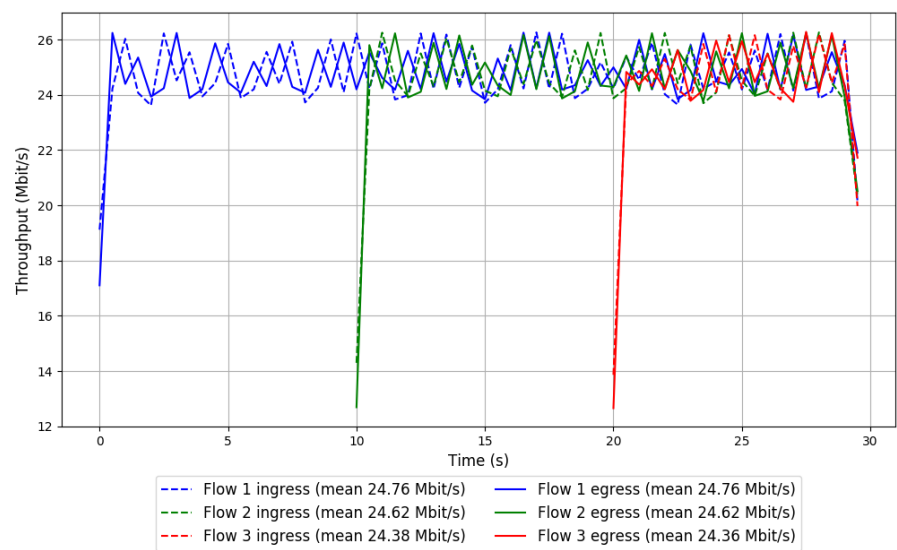


Run 6: Statistics of Sprout

Start at: 2018-03-27 21:55:19
End at: 2018-03-27 21:55:49
Local clock offset: -0.694 ms
Remote clock offset: -4.244 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.19 Mbit/s
95th percentile per-packet one-way delay: 22.264 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 22.574 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 21.985 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 21.620 ms
Loss rate: 0.05%

Run 6: Report of Sprout — Data Link

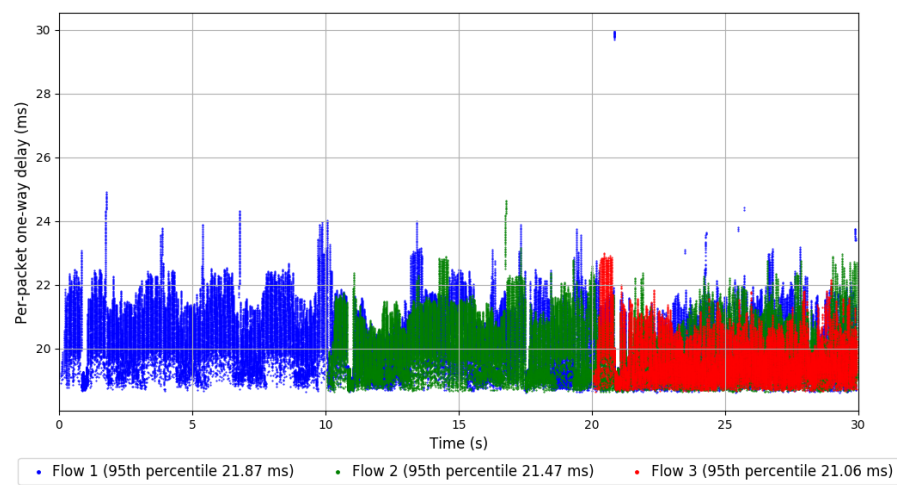
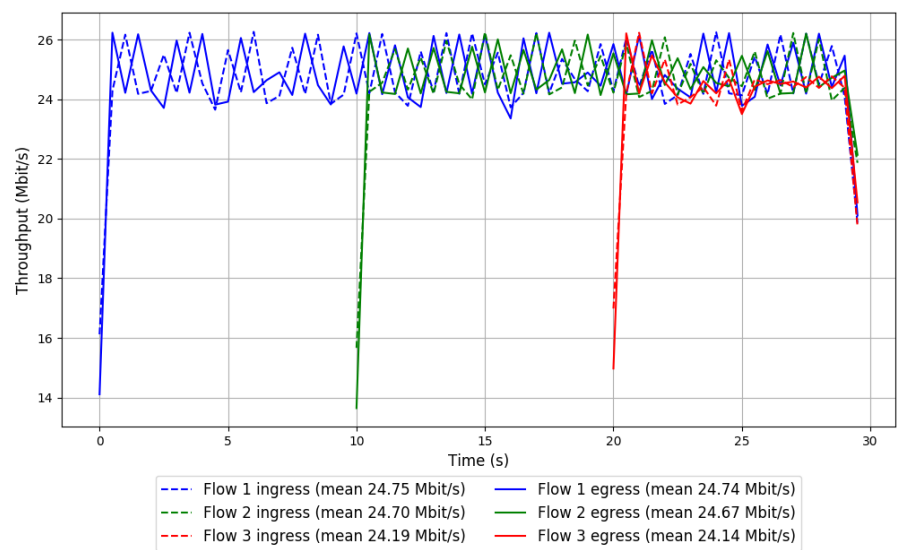


Run 7: Statistics of Sprout

Start at: 2018-03-27 22:24:07
End at: 2018-03-27 22:24:37
Local clock offset: 1.639 ms
Remote clock offset: -6.219 ms

```
# Below is generated by plot.py at 2018-03-28 03:19:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.13 Mbit/s
95th percentile per-packet one-way delay: 21.675 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 21.871 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 21.469 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 24.14 Mbit/s
95th percentile per-packet one-way delay: 21.059 ms
Loss rate: 0.18%
```


Run 7: Report of Sprout — Data Link

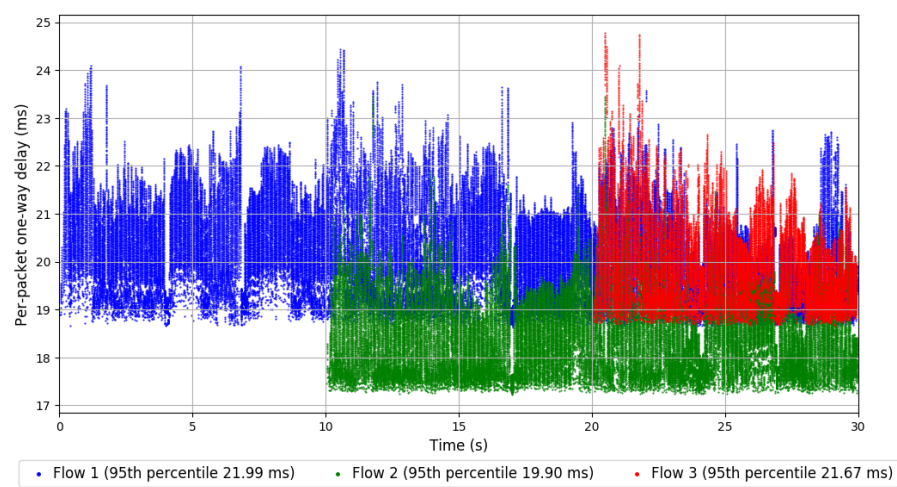
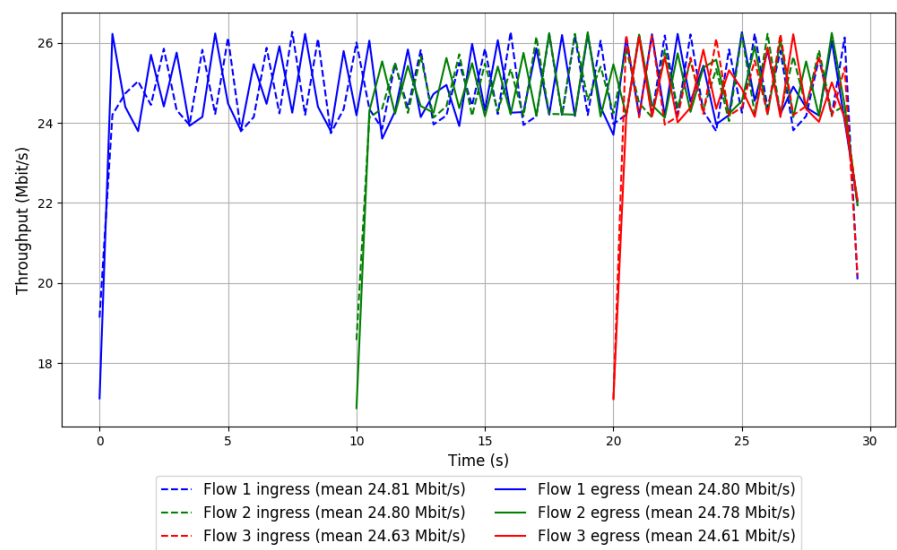


Run 8: Statistics of Sprout

Start at: 2018-03-27 22:52:50
End at: 2018-03-27 22:53:20
Local clock offset: 0.862 ms
Remote clock offset: -6.6 ms

```
# Below is generated by plot.py at 2018-03-28 03:19:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.42 Mbit/s
95th percentile per-packet one-way delay: 21.690 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.80 Mbit/s
95th percentile per-packet one-way delay: 21.988 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 19.904 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 21.667 ms
Loss rate: 0.06%
```

Run 8: Report of Sprout — Data Link

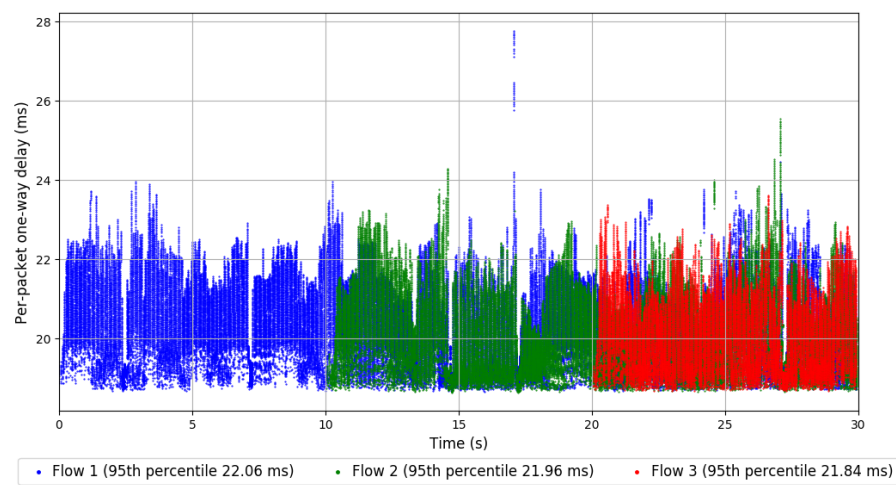
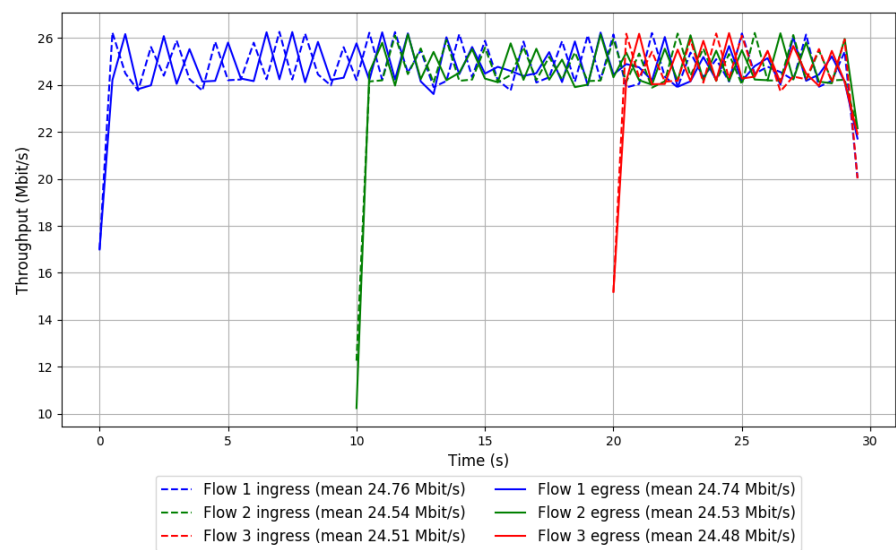


Run 9: Statistics of Sprout

Start at: 2018-03-27 23:21:40
End at: 2018-03-27 23:22:10
Local clock offset: 3.036 ms
Remote clock offset: -6.296 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.13 Mbit/s
95th percentile per-packet one-way delay: 21.999 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 22.060 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 21.956 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 24.48 Mbit/s
95th percentile per-packet one-way delay: 21.840 ms
Loss rate: 0.09%

Run 9: Report of Sprout — Data Link

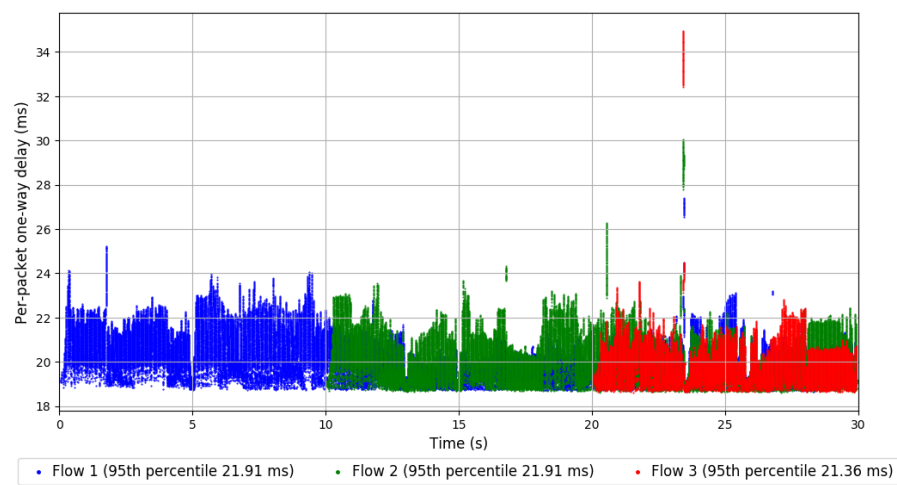
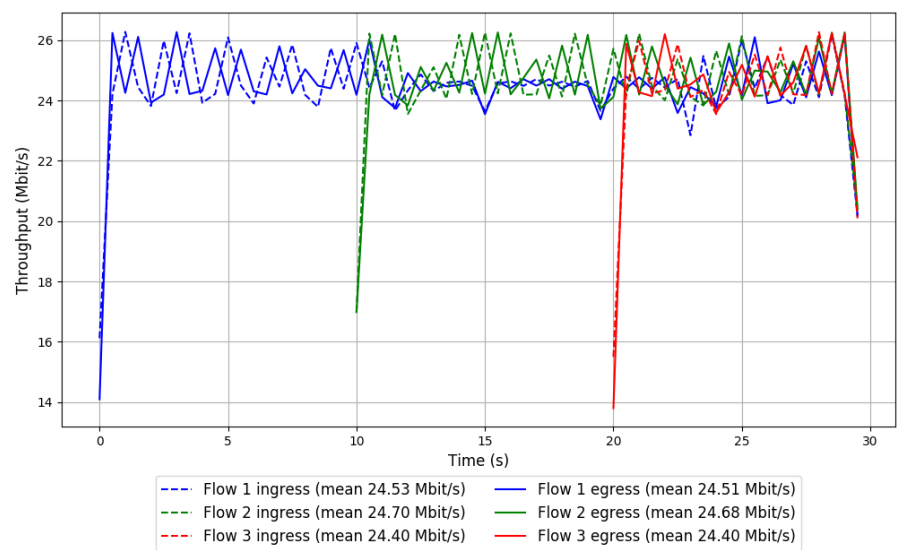


Run 10: Statistics of Sprout

Start at: 2018-03-27 23:50:41
End at: 2018-03-27 23:51:11
Local clock offset: 2.896 ms
Remote clock offset: -4.971 ms

Below is generated by plot.py at 2018-03-28 03:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.98 Mbit/s
95th percentile per-packet one-way delay: 21.841 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 21.905 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 21.906 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 21.361 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

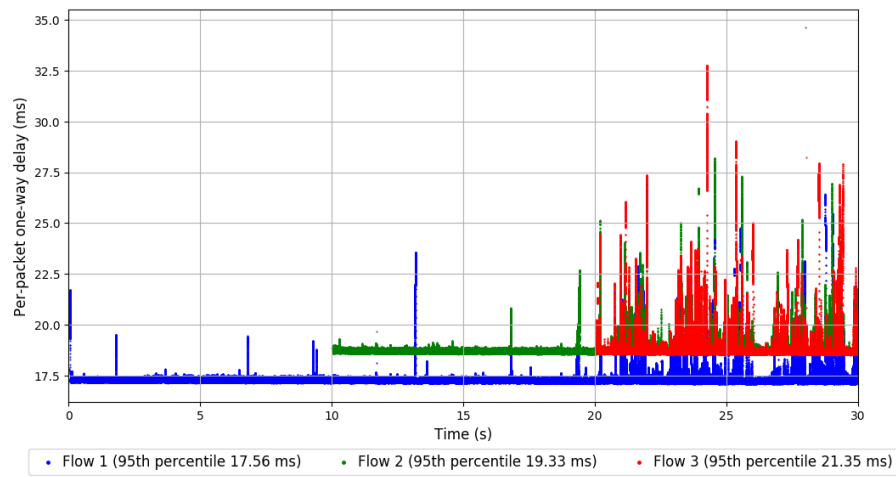
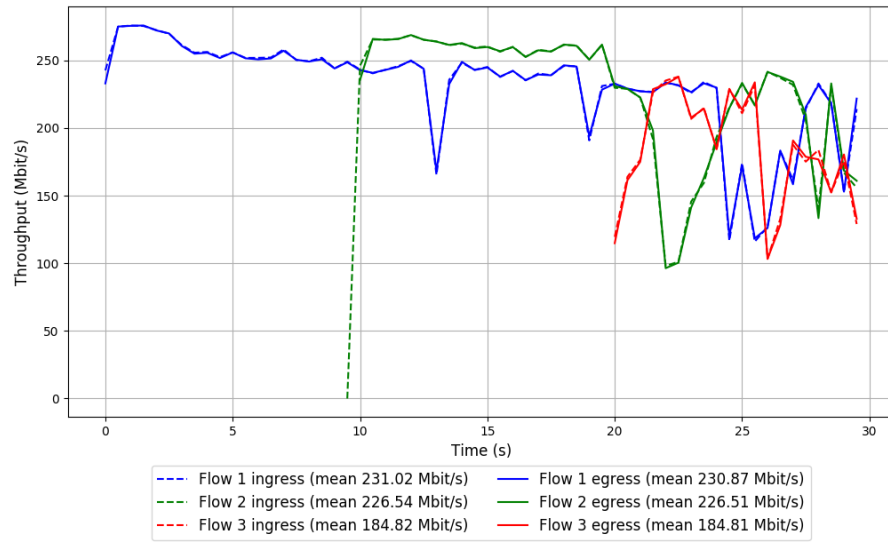


Run 1: Statistics of TaoVA-100x

Start at: 2018-03-27 19:18:11
End at: 2018-03-27 19:18:41
Local clock offset: 0.288 ms
Remote clock offset: -6.025 ms

Below is generated by plot.py at 2018-03-28 03:24:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 443.16 Mbit/s
95th percentile per-packet one-way delay: 19.183 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 230.87 Mbit/s
95th percentile per-packet one-way delay: 17.558 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 226.51 Mbit/s
95th percentile per-packet one-way delay: 19.329 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 184.81 Mbit/s
95th percentile per-packet one-way delay: 21.348 ms
Loss rate: 0.01%

Run 1: Report of TaoVA-100x — Data Link

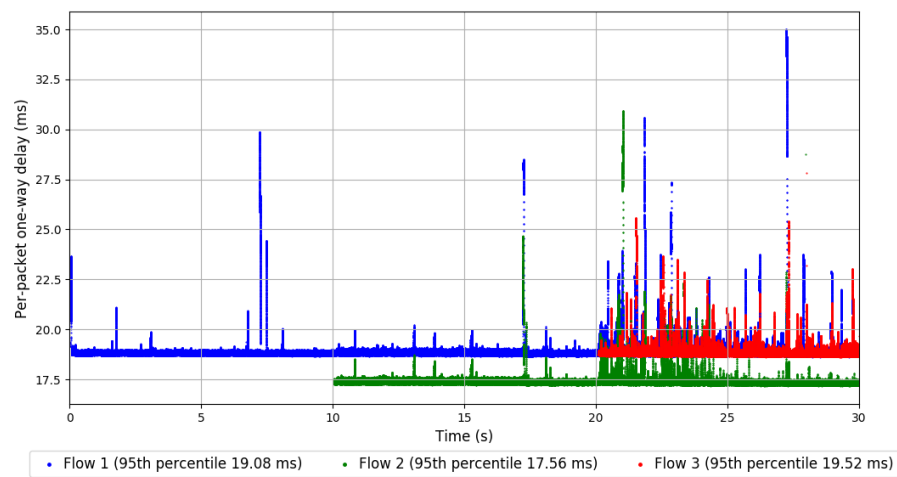
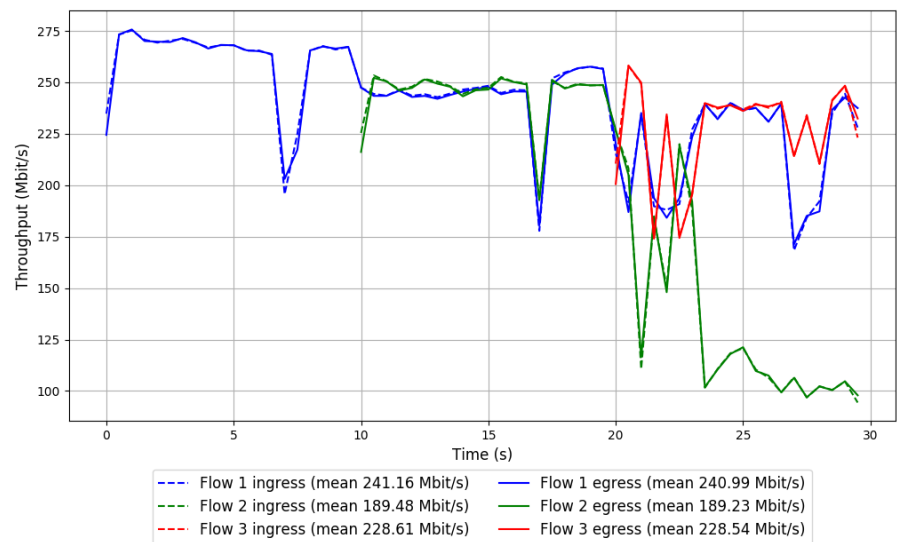


Run 2: Statistics of TaoVA-100x

Start at: 2018-03-27 19:46:53
End at: 2018-03-27 19:47:23
Local clock offset: -0.444 ms
Remote clock offset: -6.236 ms

Below is generated by plot.py at 2018-03-28 03:25:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 442.71 Mbit/s
95th percentile per-packet one-way delay: 19.068 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 240.99 Mbit/s
95th percentile per-packet one-way delay: 19.084 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 189.23 Mbit/s
95th percentile per-packet one-way delay: 17.560 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 228.54 Mbit/s
95th percentile per-packet one-way delay: 19.524 ms
Loss rate: 0.02%

Run 2: Report of TaoVA-100x — Data Link

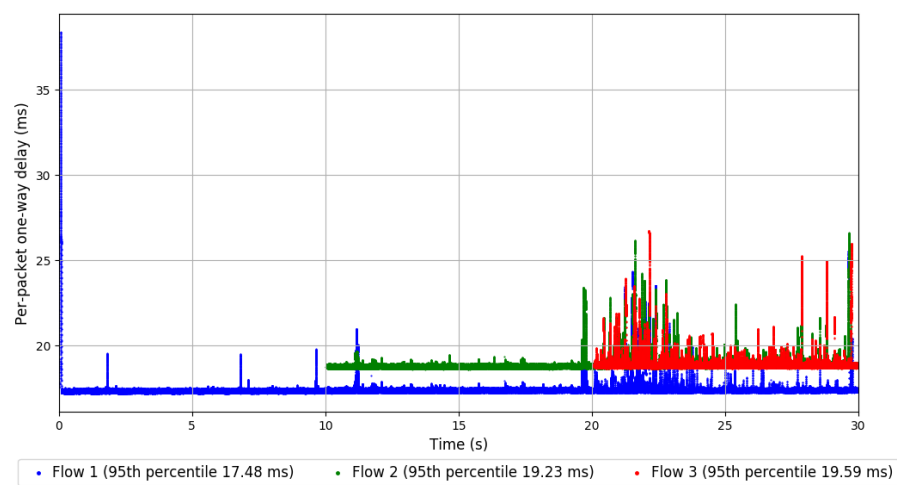
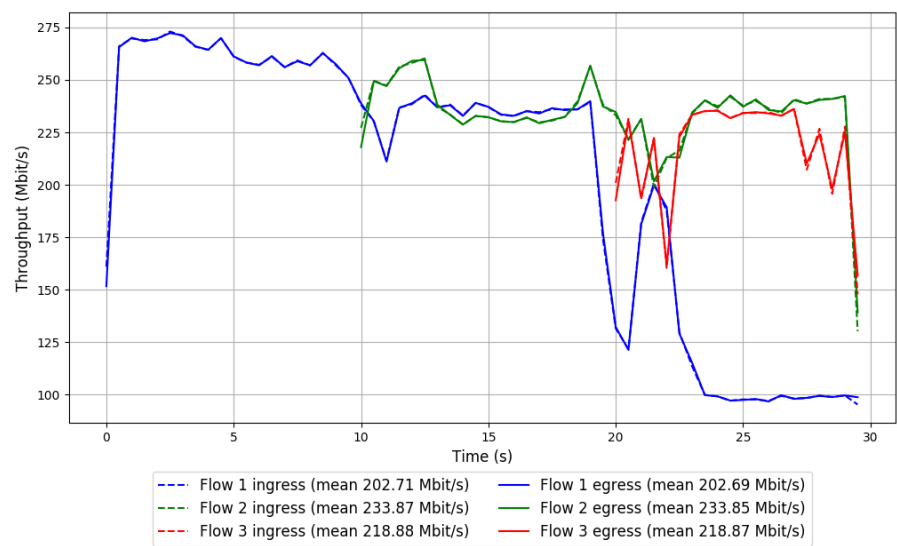


Run 3: Statistics of TaoVA-100x

Start at: 2018-03-27 20:15:40
End at: 2018-03-27 20:16:10
Local clock offset: 1.341 ms
Remote clock offset: -5.193 ms

Below is generated by plot.py at 2018-03-28 03:25:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 430.95 Mbit/s
95th percentile per-packet one-way delay: 19.048 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 202.69 Mbit/s
95th percentile per-packet one-way delay: 17.485 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 233.85 Mbit/s
95th percentile per-packet one-way delay: 19.227 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 218.87 Mbit/s
95th percentile per-packet one-way delay: 19.588 ms
Loss rate: 0.01%

Run 3: Report of TaoVA-100x — Data Link

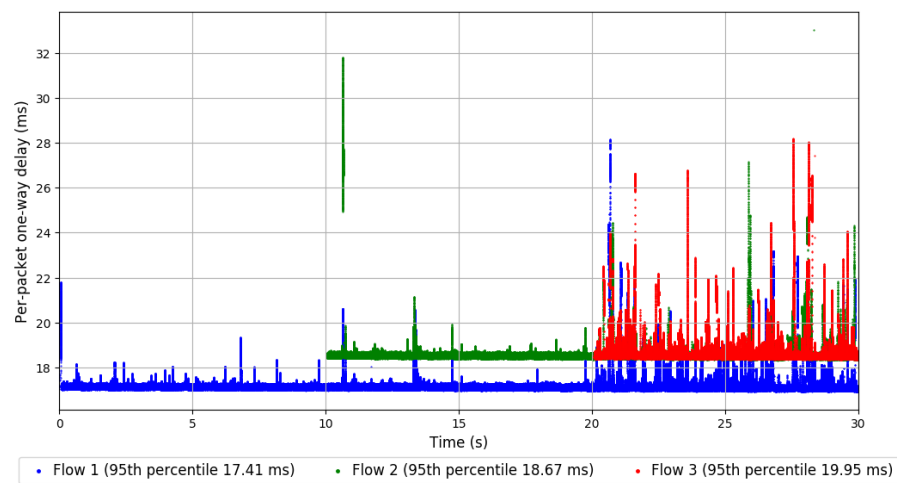
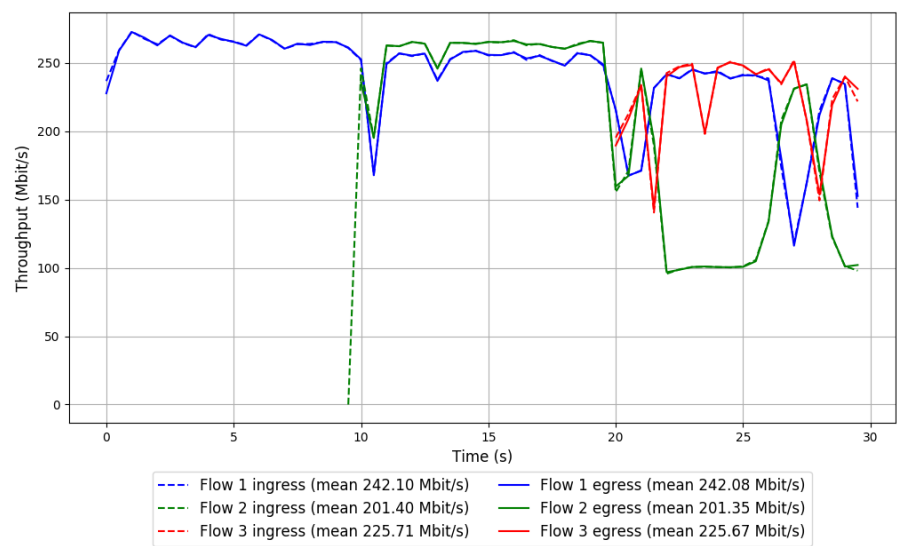


Run 4: Statistics of TaoVA-100x

Start at: 2018-03-27 20:43:59
End at: 2018-03-27 20:44:29
Local clock offset: 2.101 ms
Remote clock offset: -5.502 ms

Below is generated by plot.py at 2018-03-28 03:25:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 450.95 Mbit/s
95th percentile per-packet one-way delay: 18.731 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 242.08 Mbit/s
95th percentile per-packet one-way delay: 17.408 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 201.35 Mbit/s
95th percentile per-packet one-way delay: 18.670 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 225.67 Mbit/s
95th percentile per-packet one-way delay: 19.950 ms
Loss rate: 0.02%

Run 4: Report of TaoVA-100x — Data Link

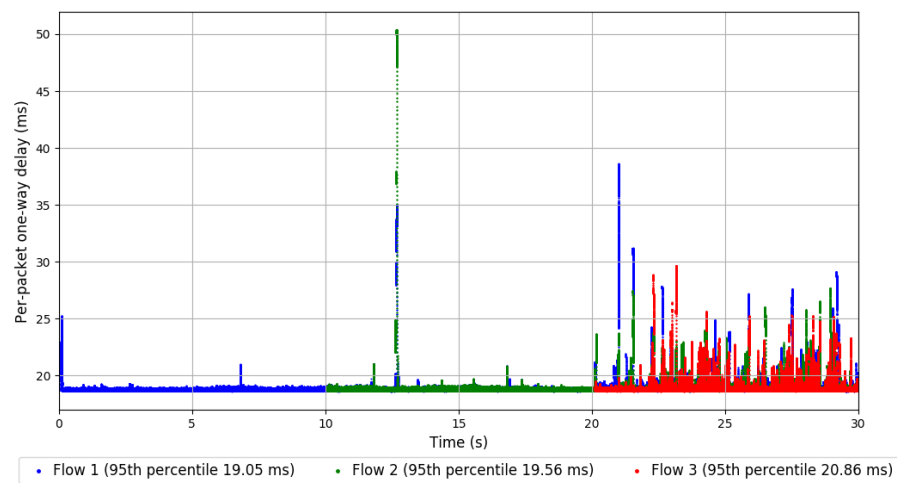
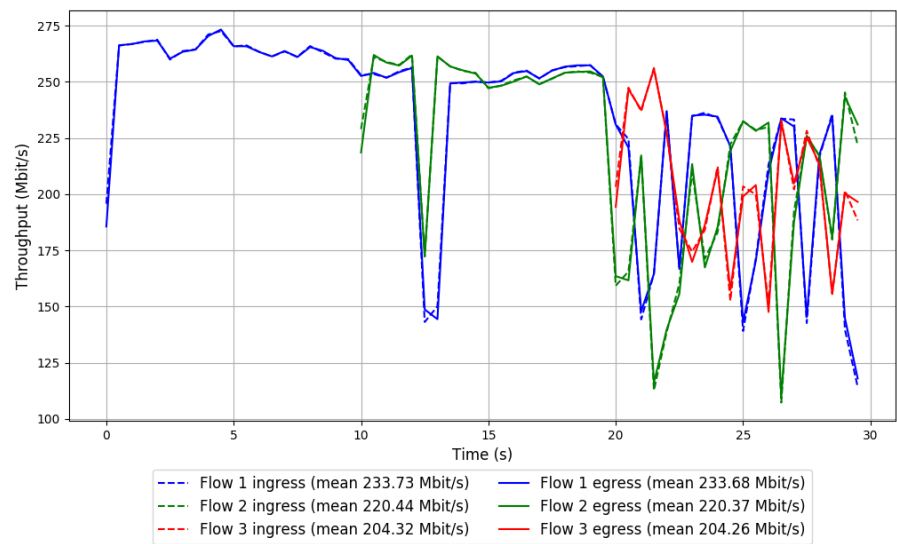


Run 5: Statistics of TaoVA-100x

Start at: 2018-03-27 21:12:46
End at: 2018-03-27 21:13:16
Local clock offset: 0.481 ms
Remote clock offset: -4.927 ms

Below is generated by plot.py at 2018-03-28 03:25:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 448.06 Mbit/s
95th percentile per-packet one-way delay: 19.471 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 233.68 Mbit/s
95th percentile per-packet one-way delay: 19.051 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 220.37 Mbit/s
95th percentile per-packet one-way delay: 19.556 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 204.26 Mbit/s
95th percentile per-packet one-way delay: 20.856 ms
Loss rate: 0.03%

Run 5: Report of TaoVA-100x — Data Link

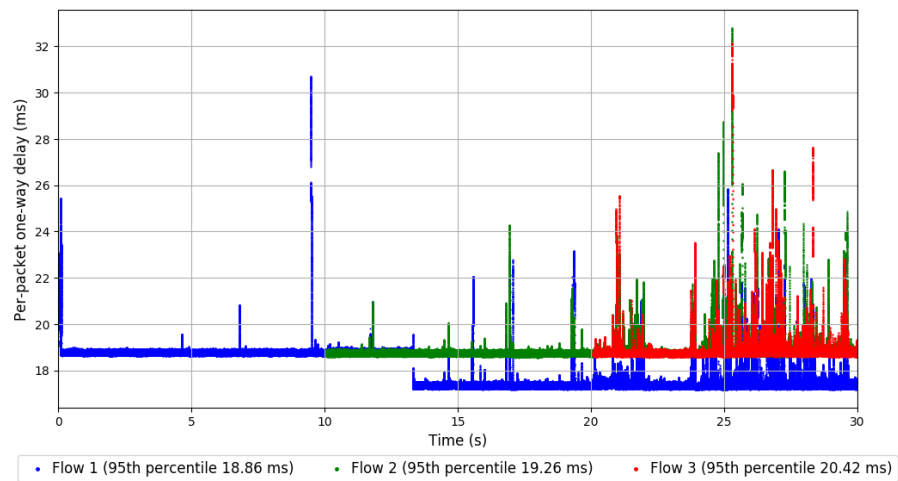
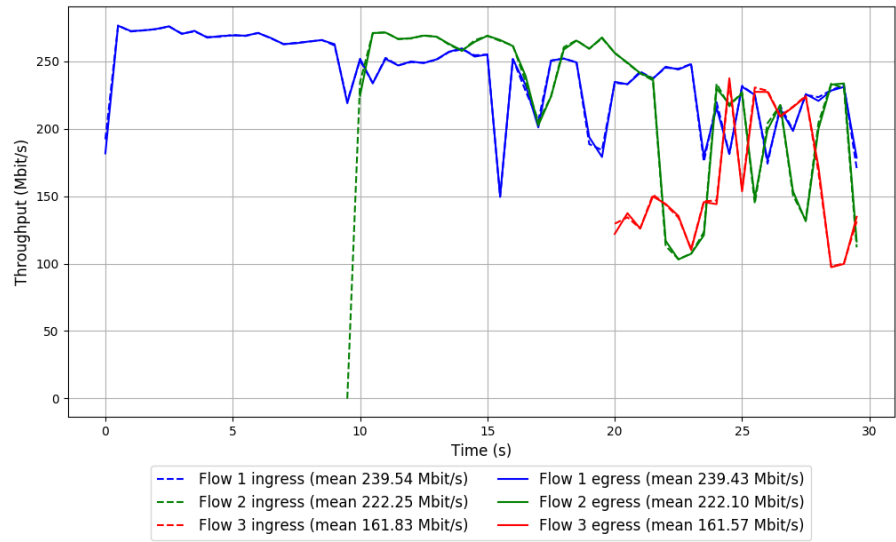


Run 6: Statistics of TaoVA-100x

Start at: 2018-03-27 21:41:39
End at: 2018-03-27 21:42:09
Local clock offset: -2.02 ms
Remote clock offset: -4.483 ms

Below is generated by plot.py at 2018-03-28 03:25:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 441.00 Mbit/s
95th percentile per-packet one-way delay: 19.064 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 239.43 Mbit/s
95th percentile per-packet one-way delay: 18.857 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 222.10 Mbit/s
95th percentile per-packet one-way delay: 19.259 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 161.57 Mbit/s
95th percentile per-packet one-way delay: 20.420 ms
Loss rate: 0.16%

Run 6: Report of TaoVA-100x — Data Link

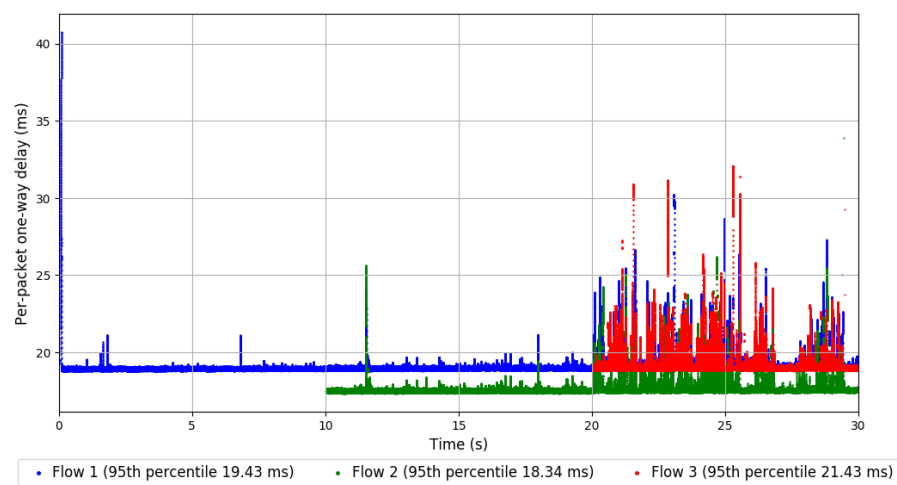
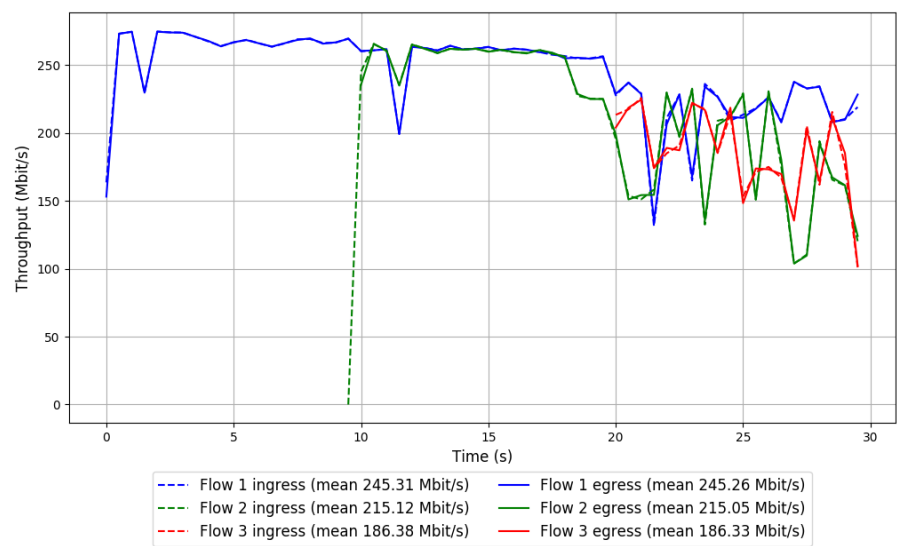


Run 7: Statistics of TaoVA-100x

Start at: 2018-03-27 22:10:36
End at: 2018-03-27 22:11:06
Local clock offset: 1.002 ms
Remote clock offset: -5.398 ms

Below is generated by plot.py at 2018-03-28 03:31:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 450.42 Mbit/s
95th percentile per-packet one-way delay: 19.666 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 245.26 Mbit/s
95th percentile per-packet one-way delay: 19.426 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 215.05 Mbit/s
95th percentile per-packet one-way delay: 18.339 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 186.33 Mbit/s
95th percentile per-packet one-way delay: 21.435 ms
Loss rate: 0.03%

Run 7: Report of TaoVA-100x — Data Link

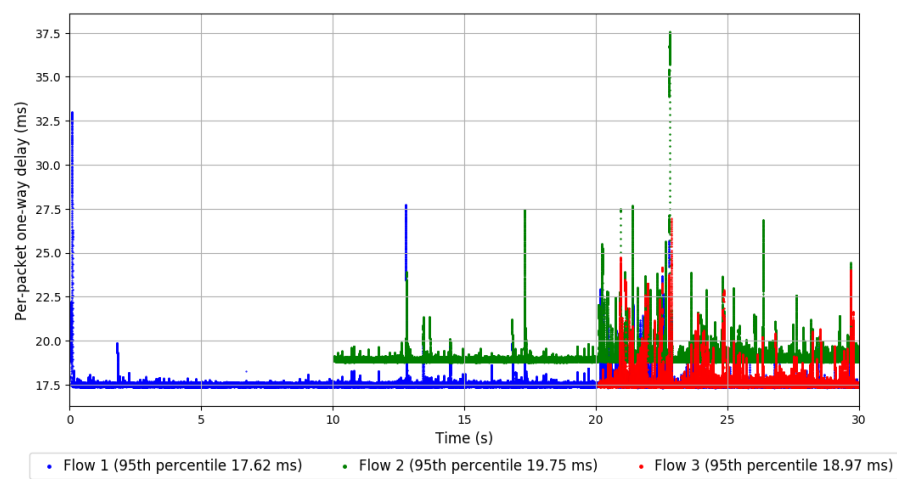
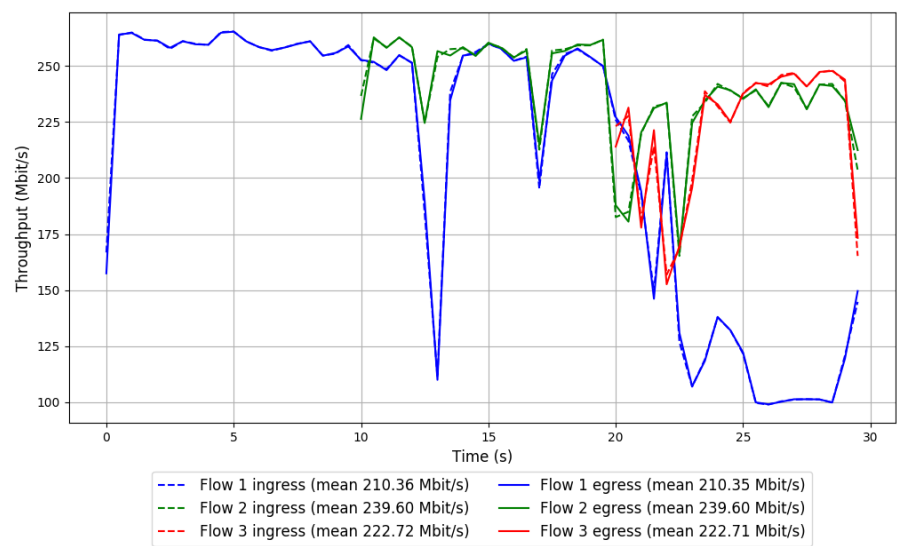


Run 8: Statistics of TaoVA-100x

Start at: 2018-03-27 22:39:25
End at: 2018-03-27 22:39:55
Local clock offset: 0.758 ms
Remote clock offset: -6.544 ms

Below is generated by plot.py at 2018-03-28 03:32:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 443.78 Mbit/s
95th percentile per-packet one-way delay: 19.160 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 210.35 Mbit/s
95th percentile per-packet one-way delay: 17.616 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 239.60 Mbit/s
95th percentile per-packet one-way delay: 19.750 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 222.71 Mbit/s
95th percentile per-packet one-way delay: 18.974 ms
Loss rate: 0.00%

Run 8: Report of TaoVA-100x — Data Link

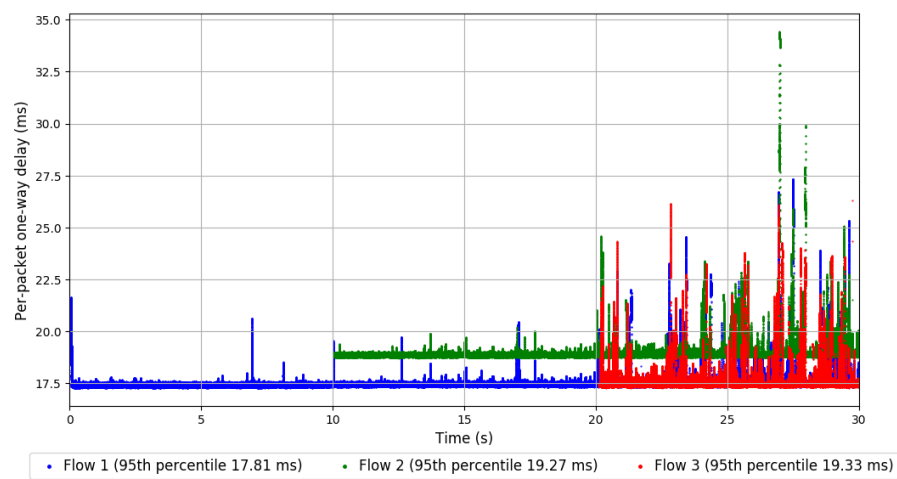
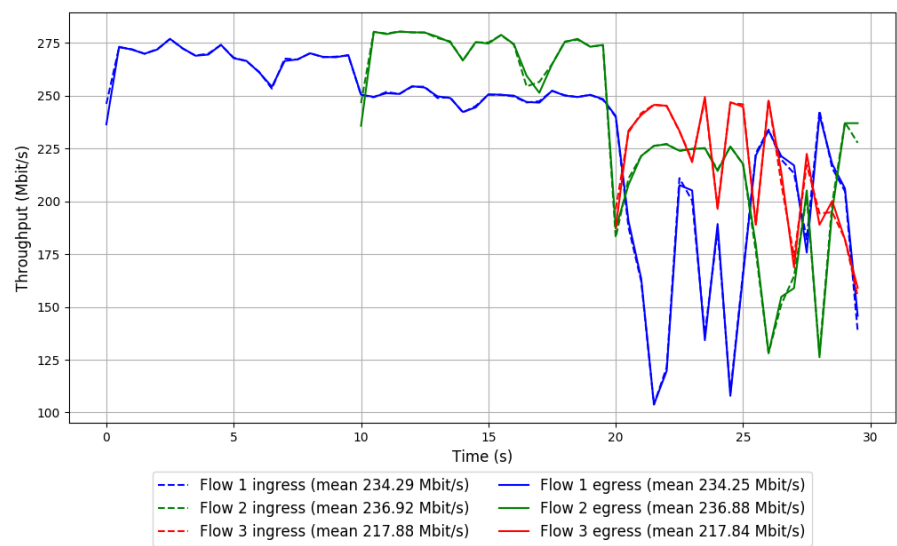


Run 9: Statistics of TaoVA-100x

Start at: 2018-03-27 23:08:10
End at: 2018-03-27 23:08:40
Local clock offset: 2.192 ms
Remote clock offset: -6.777 ms

Below is generated by plot.py at 2018-03-28 03:38:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 463.95 Mbit/s
95th percentile per-packet one-way delay: 18.996 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 234.25 Mbit/s
95th percentile per-packet one-way delay: 17.808 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 236.88 Mbit/s
95th percentile per-packet one-way delay: 19.266 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 217.84 Mbit/s
95th percentile per-packet one-way delay: 19.334 ms
Loss rate: 0.02%

Run 9: Report of TaoVA-100x — Data Link

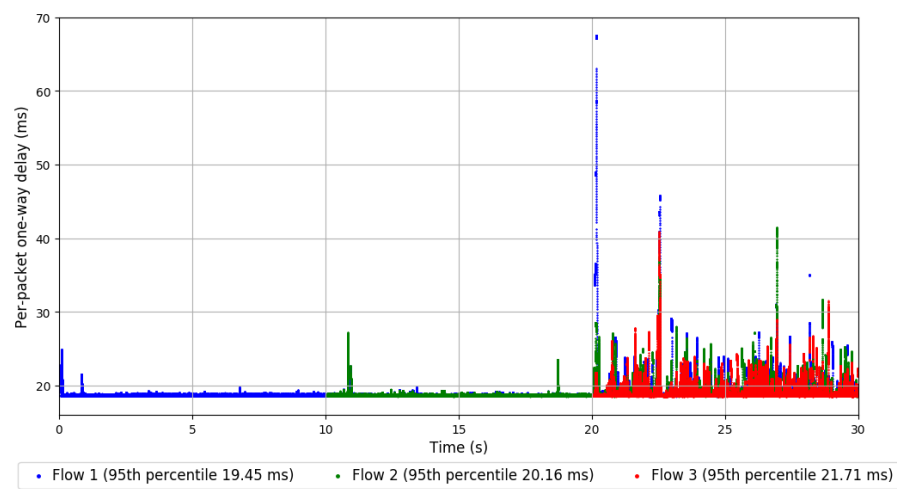
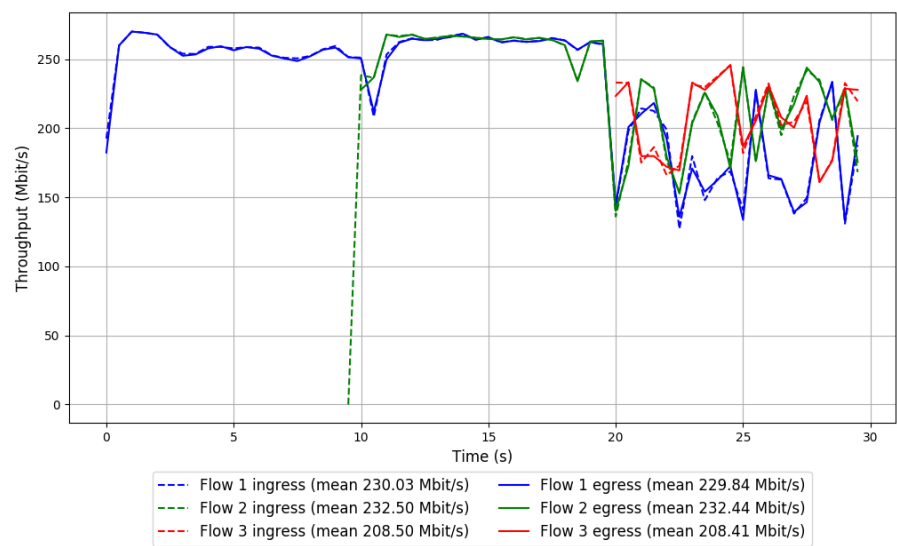


Run 10: Statistics of TaoVA-100x

Start at: 2018-03-27 23:37:06
End at: 2018-03-27 23:37:36
Local clock offset: 3.08 ms
Remote clock offset: -6.051 ms

Below is generated by plot.py at 2018-03-28 03:38:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 453.94 Mbit/s
95th percentile per-packet one-way delay: 20.299 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 229.84 Mbit/s
95th percentile per-packet one-way delay: 19.455 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 232.44 Mbit/s
95th percentile per-packet one-way delay: 20.161 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 208.41 Mbit/s
95th percentile per-packet one-way delay: 21.712 ms
Loss rate: 0.04%

Run 10: Report of TaoVA-100x — Data Link



Run 1: Statistics of TCP Vegas

Start at: 2018-03-27 19:05:31

End at: 2018-03-27 19:06:01

Local clock offset: 4.37 ms

Remote clock offset: -5.92 ms

Below is generated by plot.py at 2018-03-28 03:38:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 115.41 Mbit/s

95th percentile per-packet one-way delay: 19.096 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 41.77 Mbit/s

95th percentile per-packet one-way delay: 19.439 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 64.23 Mbit/s

95th percentile per-packet one-way delay: 19.478 ms

Loss rate: 0.06%

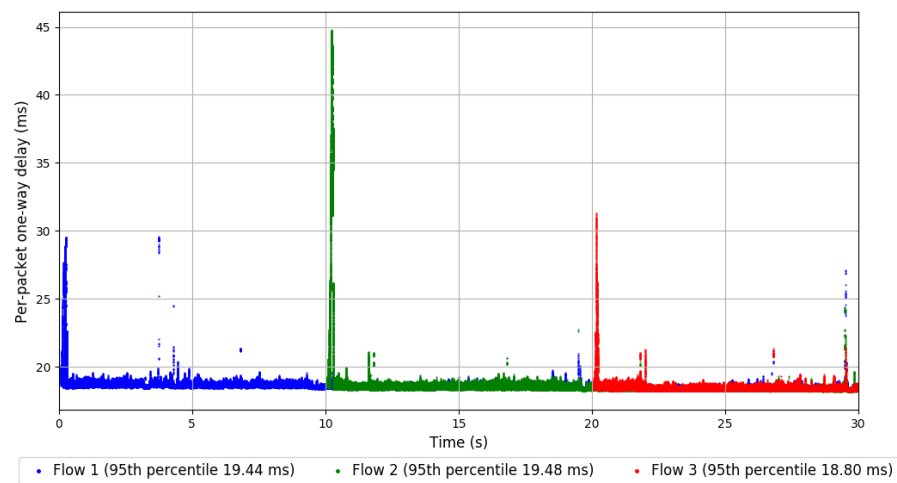
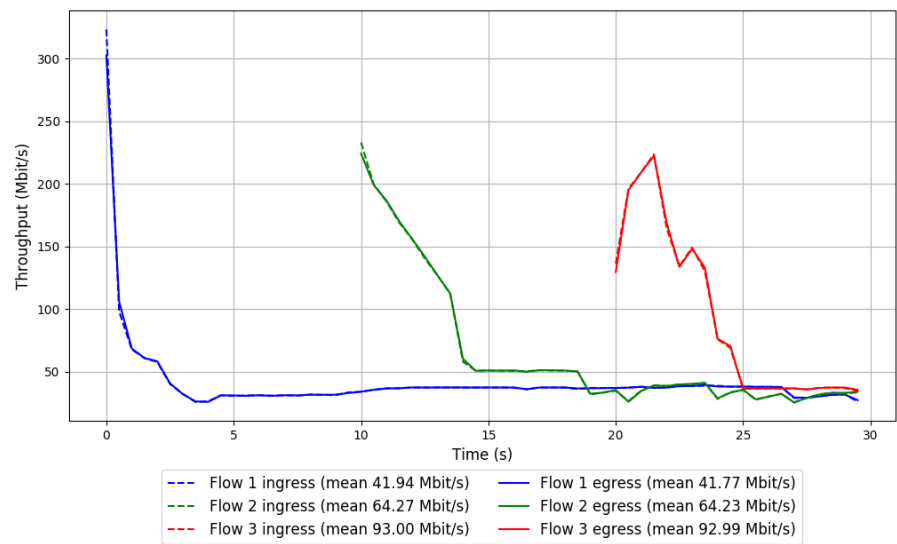
-- Flow 3:

Average throughput: 92.99 Mbit/s

95th percentile per-packet one-way delay: 18.796 ms

Loss rate: 0.01%

Run 1: Report of TCP Vegas — Data Link

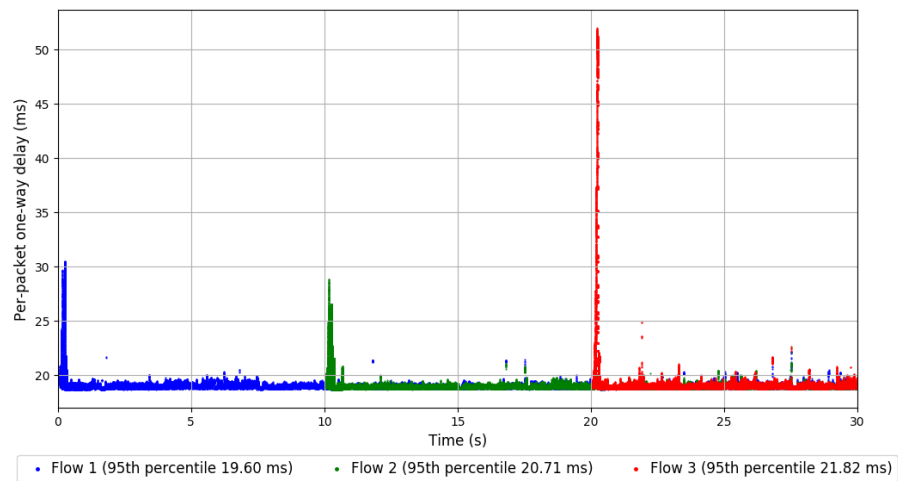
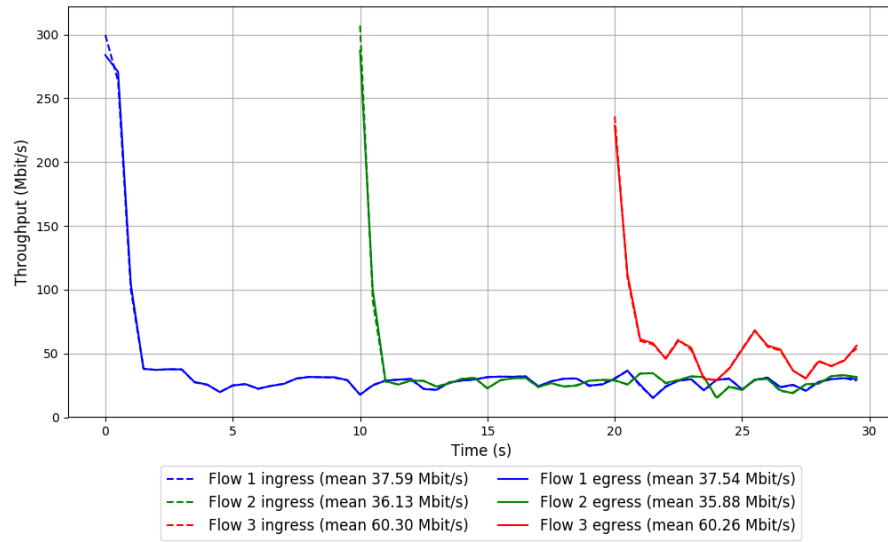


Run 2: Statistics of TCP Vegas

Start at: 2018-03-27 19:34:23
End at: 2018-03-27 19:34:53
Local clock offset: -0.971 ms
Remote clock offset: -6.147 ms

Below is generated by plot.py at 2018-03-28 03:38:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.43 Mbit/s
95th percentile per-packet one-way delay: 20.357 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 37.54 Mbit/s
95th percentile per-packet one-way delay: 19.602 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 35.88 Mbit/s
95th percentile per-packet one-way delay: 20.712 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 60.26 Mbit/s
95th percentile per-packet one-way delay: 21.825 ms
Loss rate: 0.07%

Run 2: Report of TCP Vegas — Data Link

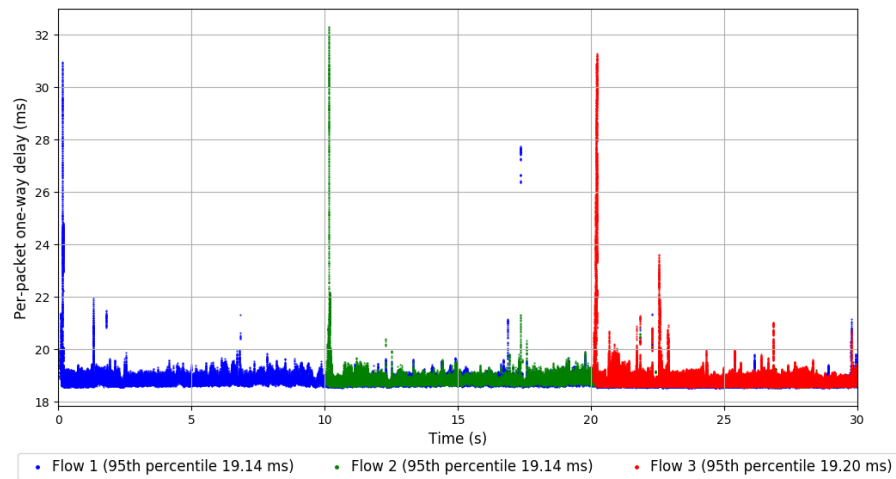
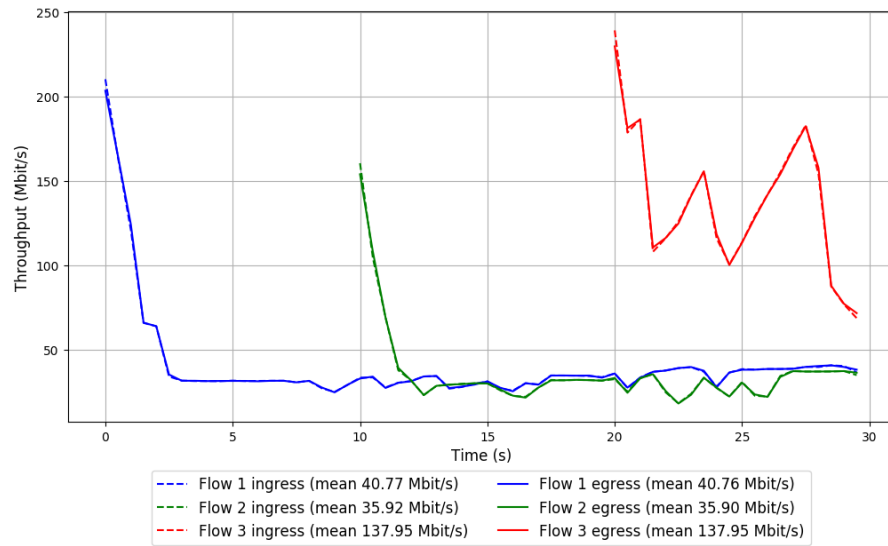


Run 3: Statistics of TCP Vegas

Start at: 2018-03-27 20:02:58
End at: 2018-03-27 20:03:28
Local clock offset: -0.409 ms
Remote clock offset: -5.357 ms

```
# Below is generated by plot.py at 2018-03-28 03:38:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 110.46 Mbit/s
95th percentile per-packet one-way delay: 19.161 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 40.76 Mbit/s
95th percentile per-packet one-way delay: 19.139 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 35.90 Mbit/s
95th percentile per-packet one-way delay: 19.138 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 137.95 Mbit/s
95th percentile per-packet one-way delay: 19.197 ms
Loss rate: 0.01%
```


Run 3: Report of TCP Vegas — Data Link

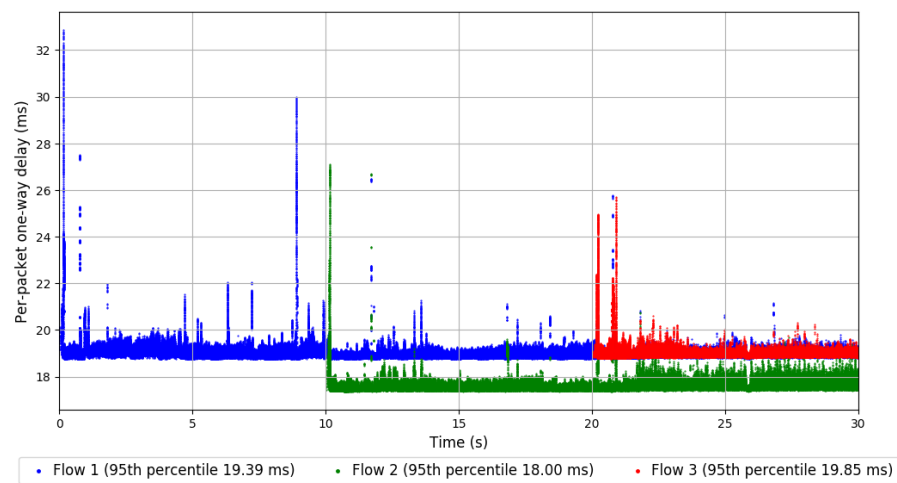
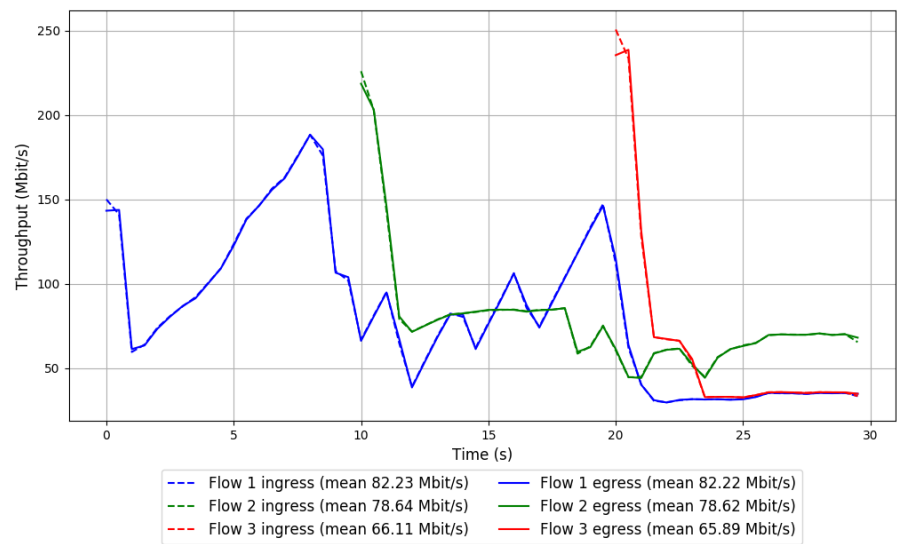


Run 4: Statistics of TCP Vegas

Start at: 2018-03-27 20:31:29
End at: 2018-03-27 20:31:59
Local clock offset: 2.3 ms
Remote clock offset: -5.344 ms

```
# Below is generated by plot.py at 2018-03-28 03:38:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 156.45 Mbit/s
95th percentile per-packet one-way delay: 19.326 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 82.22 Mbit/s
95th percentile per-packet one-way delay: 19.386 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 78.62 Mbit/s
95th percentile per-packet one-way delay: 17.998 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 65.89 Mbit/s
95th percentile per-packet one-way delay: 19.849 ms
Loss rate: 0.33%
```

Run 4: Report of TCP Vegas — Data Link

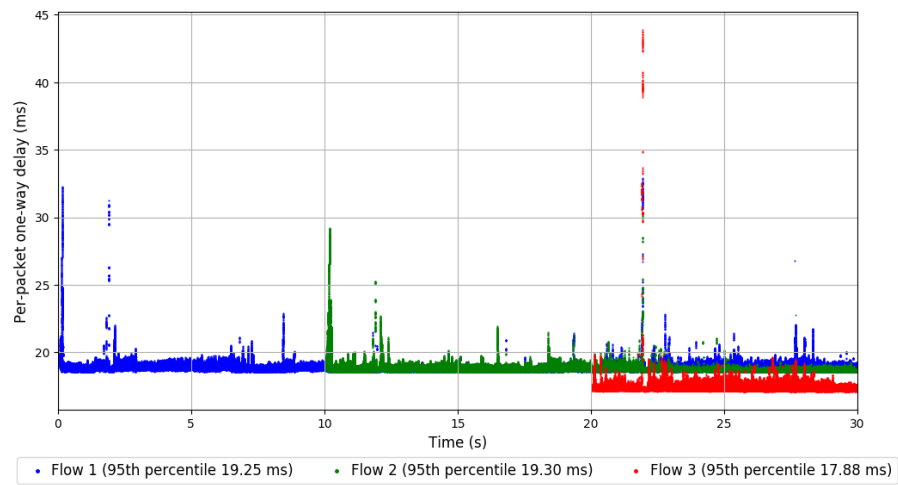
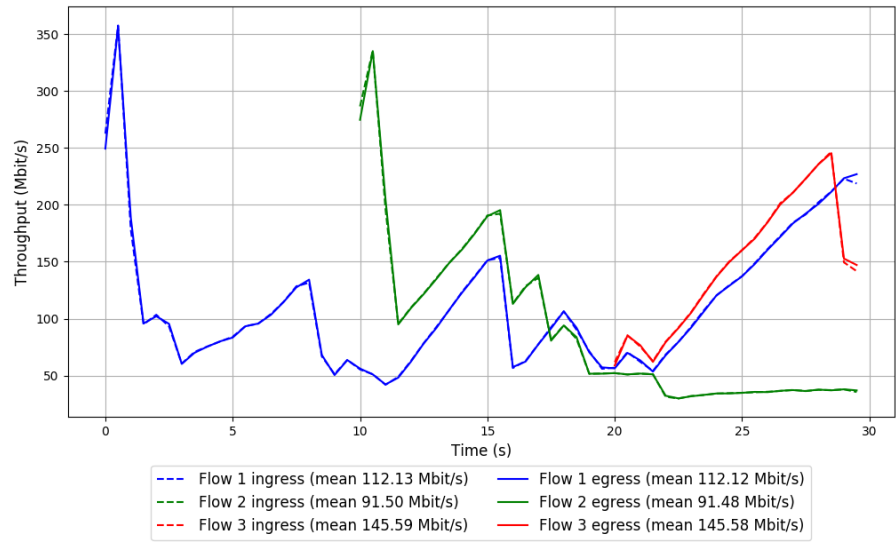


Run 5: Statistics of TCP Vegas

Start at: 2018-03-27 21:00:07
End at: 2018-03-27 21:00:37
Local clock offset: 0.713 ms
Remote clock offset: -5.285 ms

Below is generated by plot.py at 2018-03-28 03:38:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 221.38 Mbit/s
95th percentile per-packet one-way delay: 19.202 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 112.12 Mbit/s
95th percentile per-packet one-way delay: 19.247 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 91.48 Mbit/s
95th percentile per-packet one-way delay: 19.301 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 145.58 Mbit/s
95th percentile per-packet one-way delay: 17.884 ms
Loss rate: 0.01%

Run 5: Report of TCP Vegas — Data Link

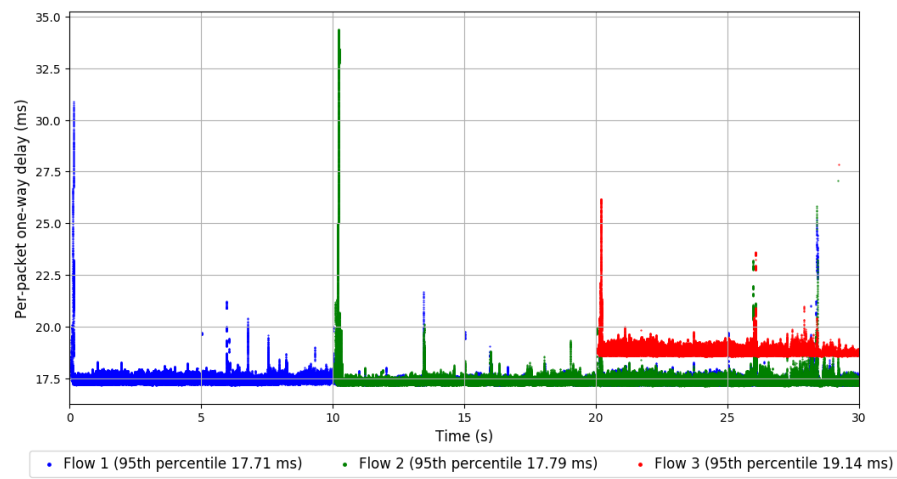
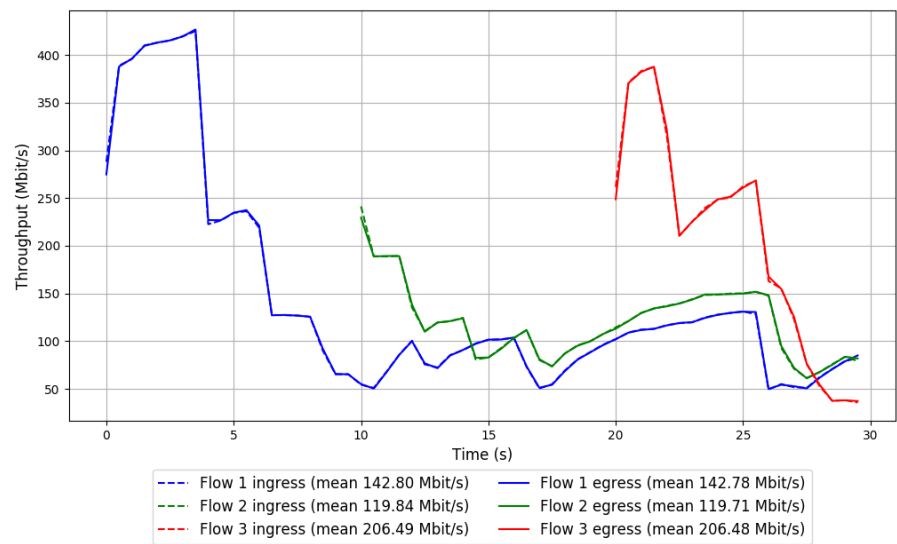


Run 6: Statistics of TCP Vegas

Start at: 2018-03-27 21:28:53
End at: 2018-03-27 21:29:23
Local clock offset: -1.268 ms
Remote clock offset: -4.747 ms

Below is generated by plot.py at 2018-03-28 03:38:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 291.00 Mbit/s
95th percentile per-packet one-way delay: 18.970 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 142.78 Mbit/s
95th percentile per-packet one-way delay: 17.707 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 119.71 Mbit/s
95th percentile per-packet one-way delay: 17.790 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 206.48 Mbit/s
95th percentile per-packet one-way delay: 19.140 ms
Loss rate: 0.01%

Run 6: Report of TCP Vegas — Data Link

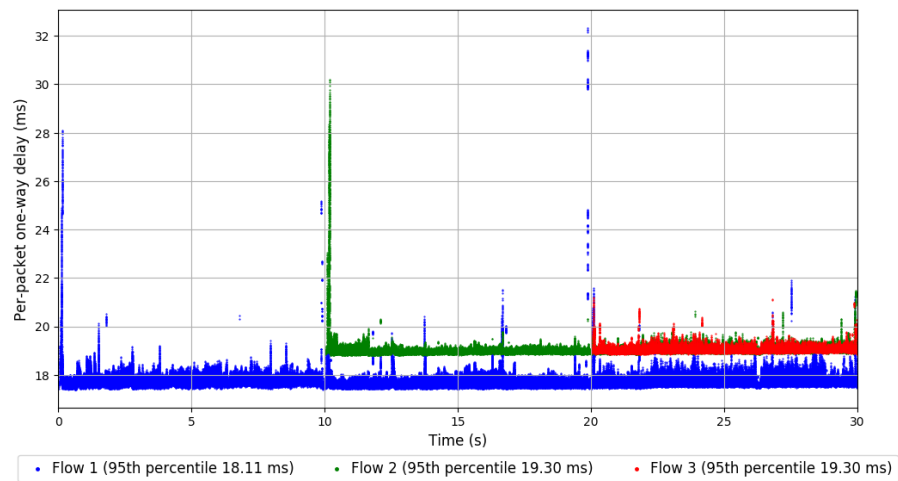
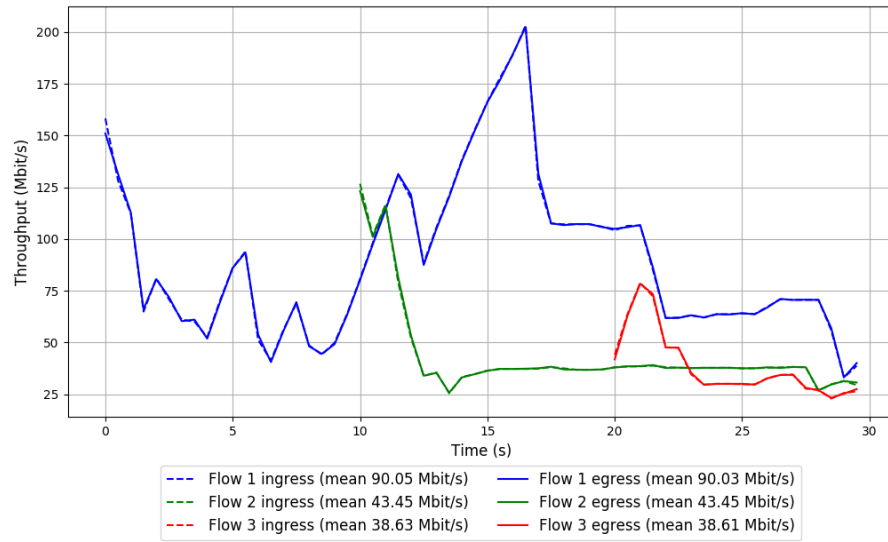


Run 7: Statistics of TCP Vegas

Start at: 2018-03-27 21:57:58
End at: 2018-03-27 21:58:28
Local clock offset: -0.2 ms
Remote clock offset: -4.219 ms

Below is generated by plot.py at 2018-03-28 03:38:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 131.79 Mbit/s
95th percentile per-packet one-way delay: 19.161 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 18.108 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 43.45 Mbit/s
95th percentile per-packet one-way delay: 19.296 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 38.61 Mbit/s
95th percentile per-packet one-way delay: 19.298 ms
Loss rate: 0.06%

Run 7: Report of TCP Vegas — Data Link

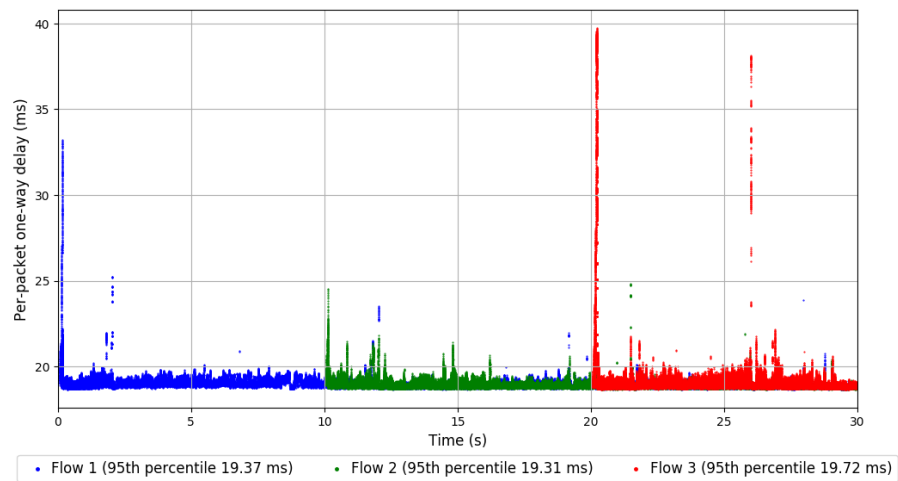
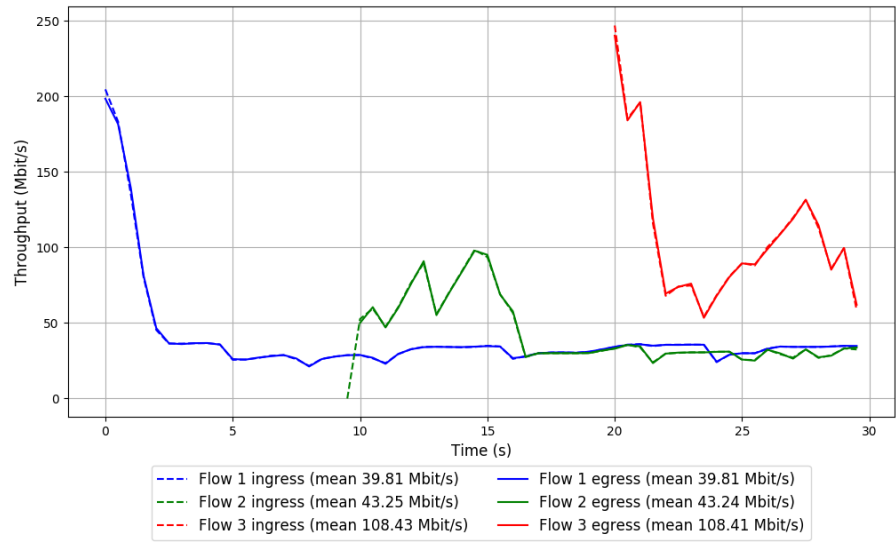


Run 8: Statistics of TCP Vegas

Start at: 2018-03-27 22:26:46
End at: 2018-03-27 22:27:16
Local clock offset: 1.25 ms
Remote clock offset: -6.375 ms

Below is generated by plot.py at 2018-03-28 03:38:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 104.63 Mbit/s
95th percentile per-packet one-way delay: 19.446 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 39.81 Mbit/s
95th percentile per-packet one-way delay: 19.370 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 43.24 Mbit/s
95th percentile per-packet one-way delay: 19.310 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 108.41 Mbit/s
95th percentile per-packet one-way delay: 19.718 ms
Loss rate: 0.02%

Run 8: Report of TCP Vegas — Data Link

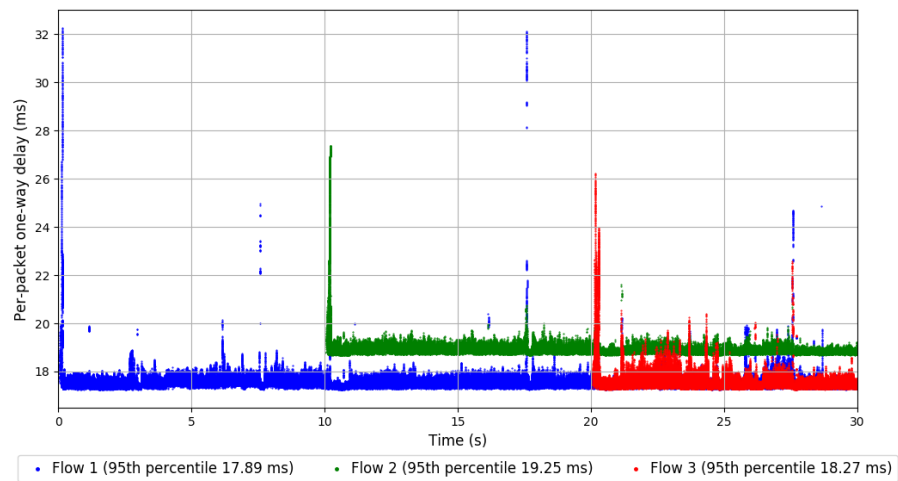
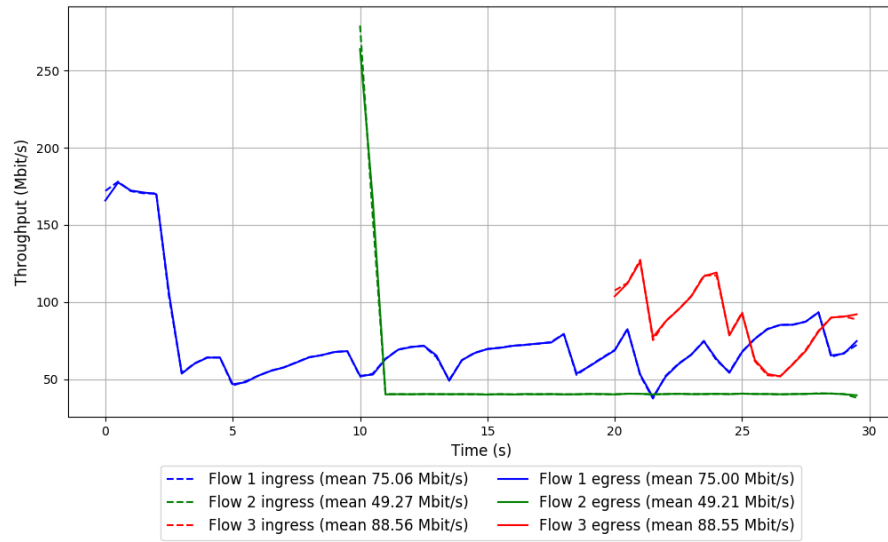


Run 9: Statistics of TCP Vegas

Start at: 2018-03-27 22:55:30
End at: 2018-03-27 22:56:00
Local clock offset: 0.879 ms
Remote clock offset: -6.563 ms

Below is generated by plot.py at 2018-03-28 03:38:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 137.17 Mbit/s
95th percentile per-packet one-way delay: 19.050 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 75.00 Mbit/s
95th percentile per-packet one-way delay: 17.893 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 49.21 Mbit/s
95th percentile per-packet one-way delay: 19.250 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 88.55 Mbit/s
95th percentile per-packet one-way delay: 18.265 ms
Loss rate: 0.01%

Run 9: Report of TCP Vegas — Data Link

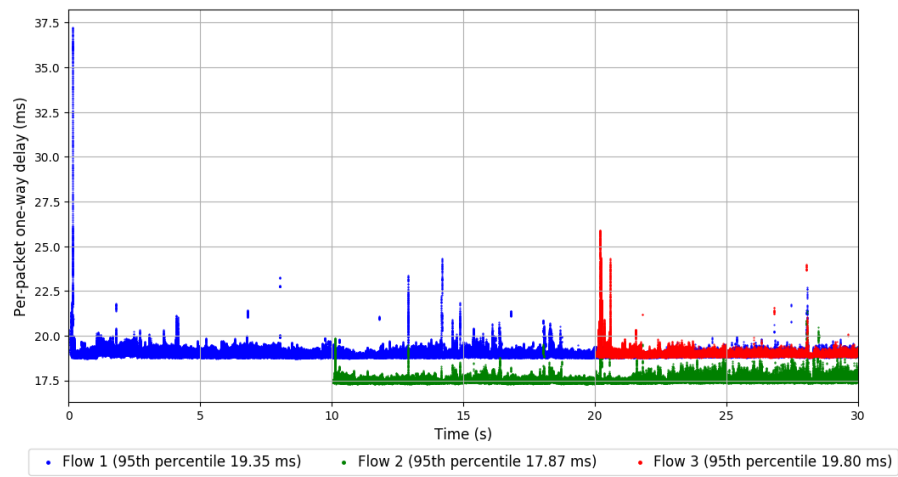
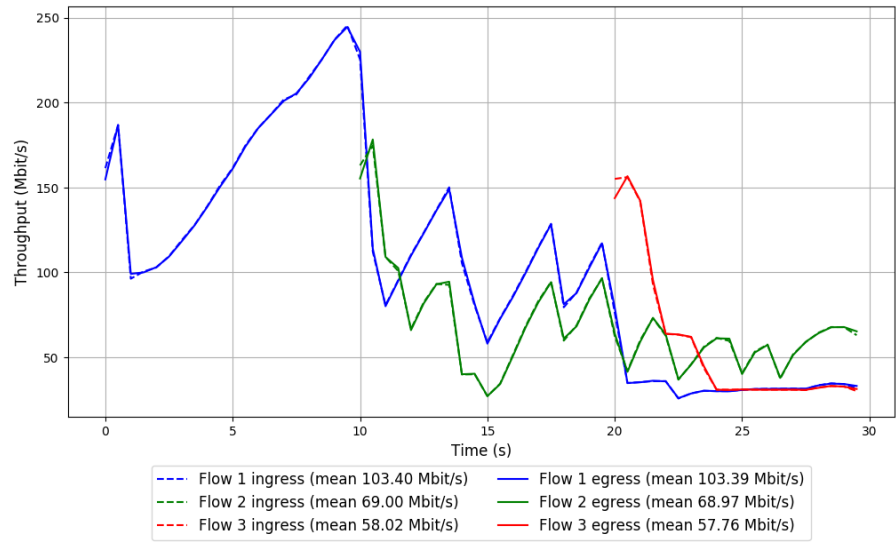


Run 10: Statistics of TCP Vegas

Start at: 2018-03-27 23:24:19
End at: 2018-03-27 23:24:49
Local clock offset: 3.029 ms
Remote clock offset: -6.217 ms

Below is generated by plot.py at 2018-03-28 03:38:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 168.49 Mbit/s
95th percentile per-packet one-way delay: 19.314 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 103.39 Mbit/s
95th percentile per-packet one-way delay: 19.354 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 68.97 Mbit/s
95th percentile per-packet one-way delay: 17.869 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 57.76 Mbit/s
95th percentile per-packet one-way delay: 19.802 ms
Loss rate: 0.45%

Run 10: Report of TCP Vegas — Data Link

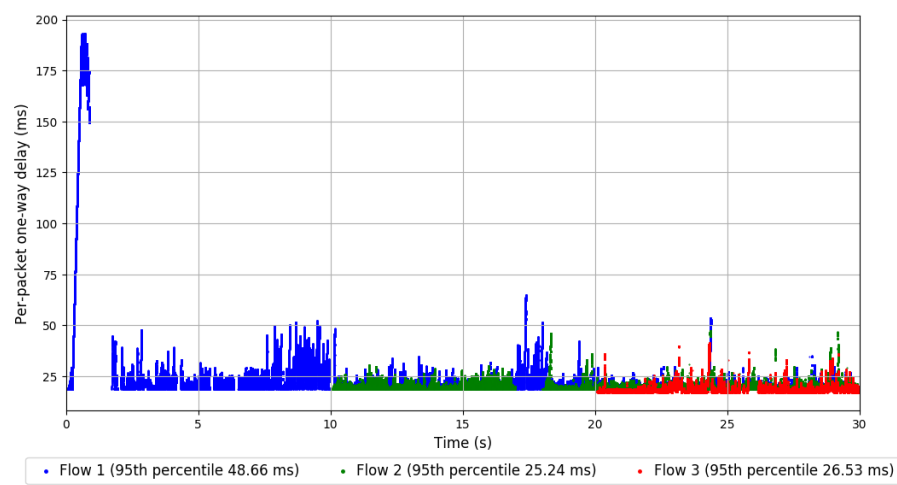
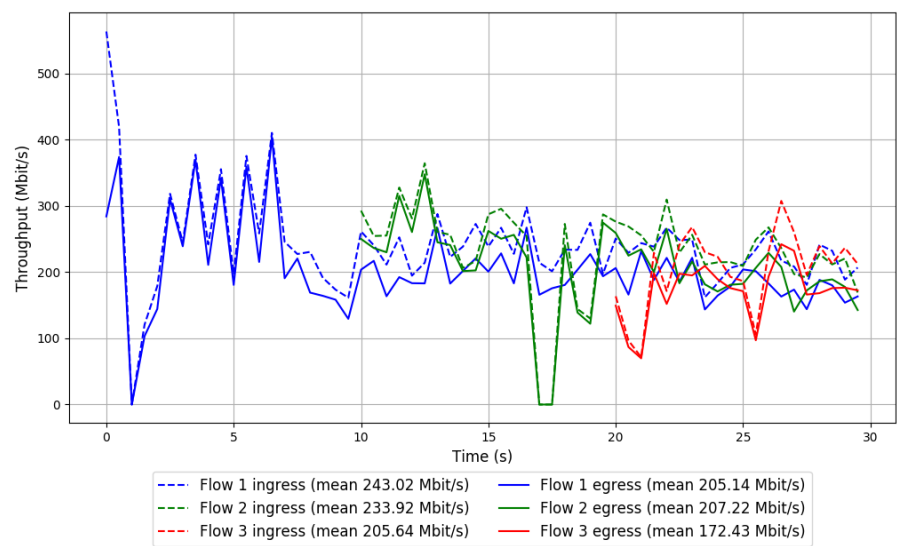


Run 1: Statistics of Verus

Start at: 2018-03-27 19:23:02
End at: 2018-03-27 19:23:32
Local clock offset: -0.376 ms
Remote clock offset: -6.062 ms

Below is generated by plot.py at 2018-03-28 03:38:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 399.89 Mbit/s
95th percentile per-packet one-way delay: 34.448 ms
Loss rate: 14.28%
-- Flow 1:
Average throughput: 205.14 Mbit/s
95th percentile per-packet one-way delay: 48.659 ms
Loss rate: 15.59%
-- Flow 2:
Average throughput: 207.22 Mbit/s
95th percentile per-packet one-way delay: 25.241 ms
Loss rate: 11.41%
-- Flow 3:
Average throughput: 172.43 Mbit/s
95th percentile per-packet one-way delay: 26.531 ms
Loss rate: 16.15%

Run 1: Report of Verus — Data Link

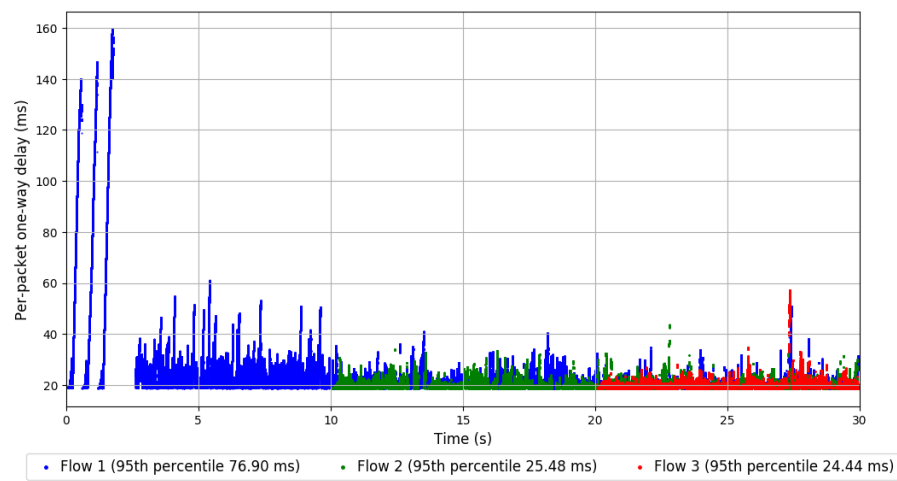
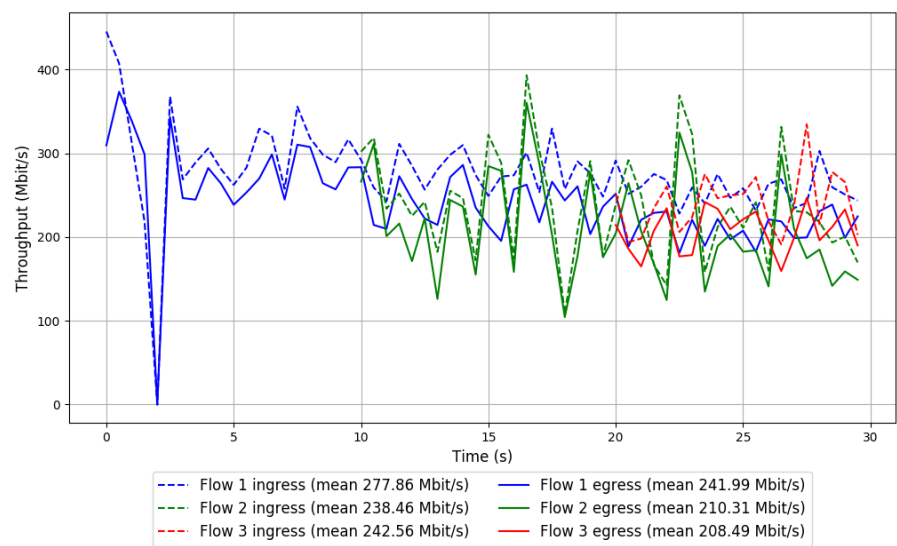


Run 2: Statistics of Verus

Start at: 2018-03-27 19:51:43
End at: 2018-03-27 19:52:13
Local clock offset: -0.404 ms
Remote clock offset: -5.716 ms

Below is generated by plot.py at 2018-03-28 03:38:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 450.94 Mbit/s
95th percentile per-packet one-way delay: 37.728 ms
Loss rate: 12.75%
-- Flow 1:
Average throughput: 241.99 Mbit/s
95th percentile per-packet one-way delay: 76.902 ms
Loss rate: 12.91%
-- Flow 2:
Average throughput: 210.31 Mbit/s
95th percentile per-packet one-way delay: 25.485 ms
Loss rate: 11.81%
-- Flow 3:
Average throughput: 208.49 Mbit/s
95th percentile per-packet one-way delay: 24.443 ms
Loss rate: 14.06%

Run 2: Report of Verus — Data Link

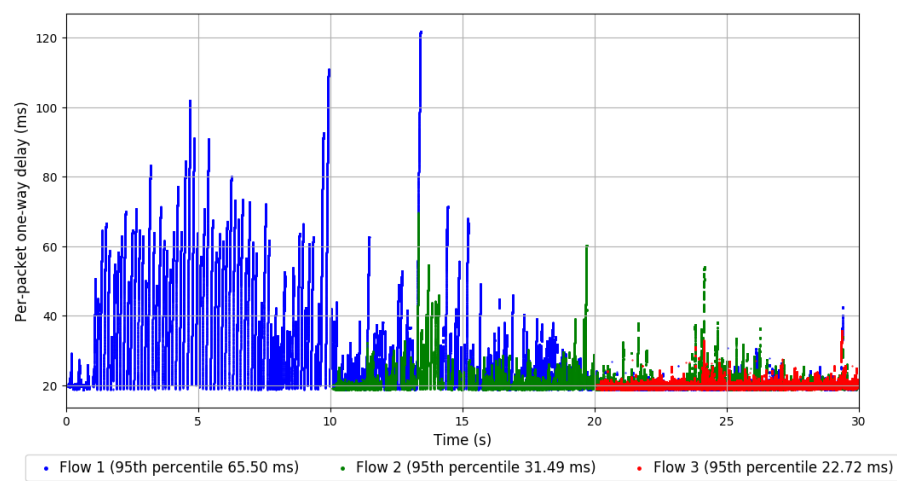
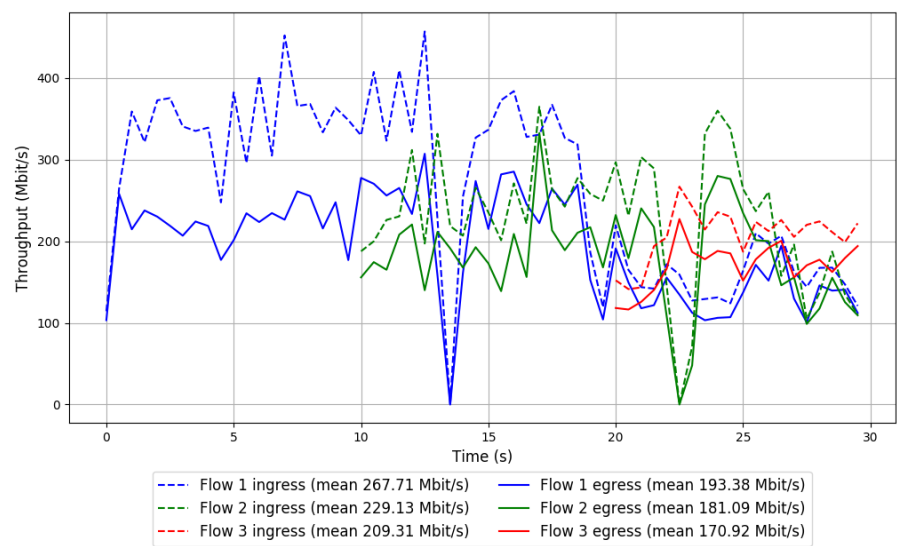


Run 3: Statistics of Verus

Start at: 2018-03-27 20:20:30
End at: 2018-03-27 20:21:00
Local clock offset: 1.742 ms
Remote clock offset: -5.169 ms

Below is generated by plot.py at 2018-03-28 03:38:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 370.25 Mbit/s
95th percentile per-packet one-way delay: 59.685 ms
Loss rate: 24.31%
-- Flow 1:
Average throughput: 193.38 Mbit/s
95th percentile per-packet one-way delay: 65.499 ms
Loss rate: 27.76%
-- Flow 2:
Average throughput: 181.09 Mbit/s
95th percentile per-packet one-way delay: 31.487 ms
Loss rate: 20.96%
-- Flow 3:
Average throughput: 170.92 Mbit/s
95th percentile per-packet one-way delay: 22.721 ms
Loss rate: 18.34%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-03-27 20:48:49

End at: 2018-03-27 20:49:19

Local clock offset: 1.398 ms

Remote clock offset: -5.5 ms

Below is generated by plot.py at 2018-03-28 03:38:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 376.18 Mbit/s

95th percentile per-packet one-way delay: 33.136 ms

Loss rate: 11.49%

-- Flow 1:

Average throughput: 200.87 Mbit/s

95th percentile per-packet one-way delay: 37.359 ms

Loss rate: 11.75%

-- Flow 2:

Average throughput: 192.59 Mbit/s

95th percentile per-packet one-way delay: 29.608 ms

Loss rate: 12.57%

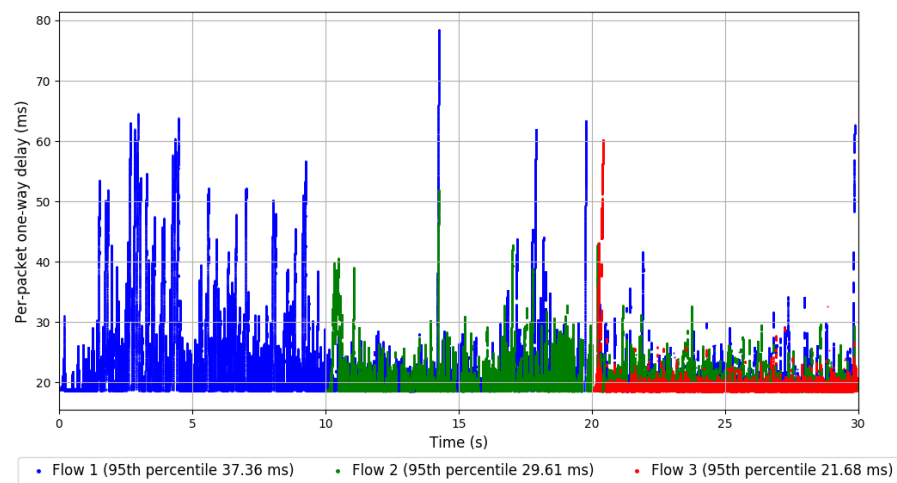
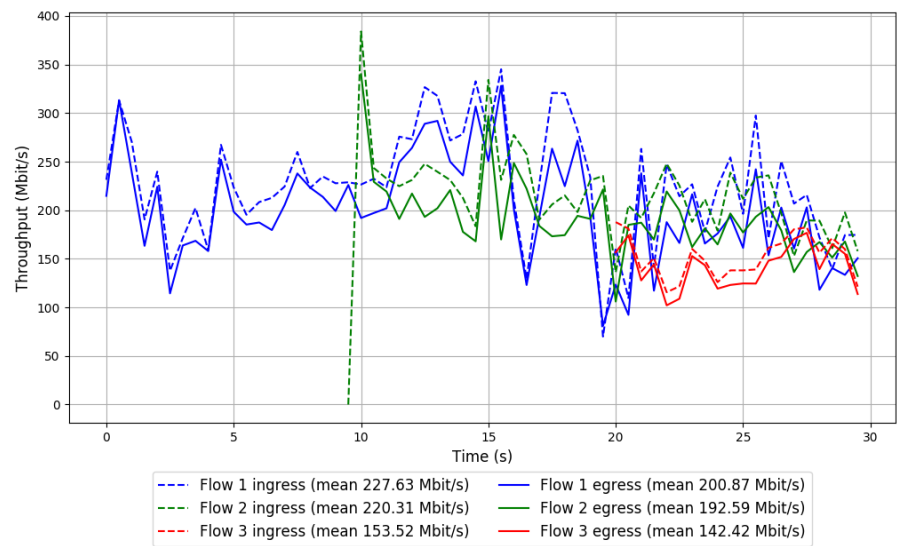
-- Flow 3:

Average throughput: 142.42 Mbit/s

95th percentile per-packet one-way delay: 21.682 ms

Loss rate: 7.23%

Run 4: Report of Verus — Data Link

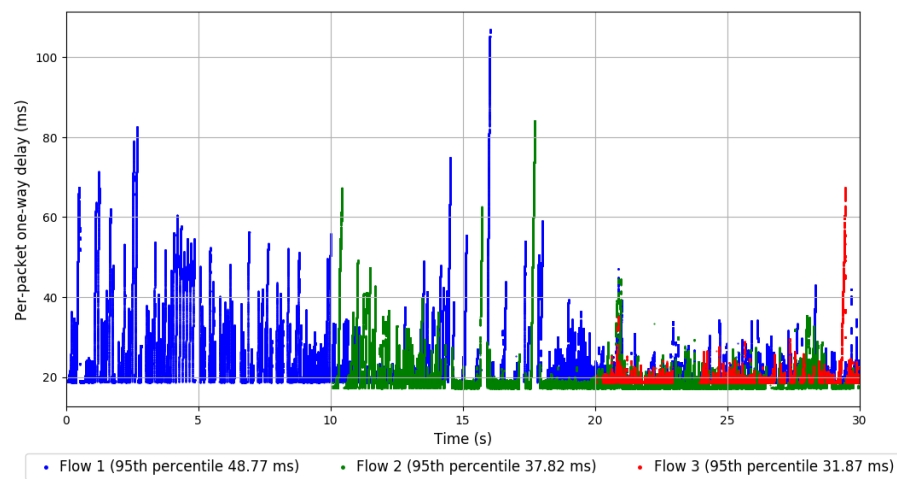
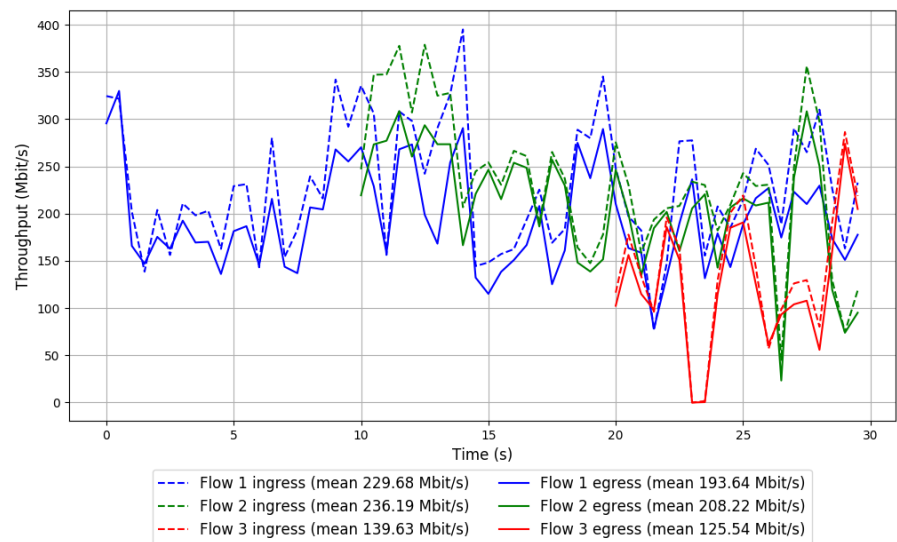


Run 5: Statistics of Verus

Start at: 2018-03-27 21:17:38
End at: 2018-03-27 21:18:08
Local clock offset: -0.125 ms
Remote clock offset: -4.829 ms

Below is generated by plot.py at 2018-03-28 03:38:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 373.64 Mbit/s
95th percentile per-packet one-way delay: 45.406 ms
Loss rate: 13.70%
-- Flow 1:
Average throughput: 193.64 Mbit/s
95th percentile per-packet one-way delay: 48.767 ms
Loss rate: 15.69%
-- Flow 2:
Average throughput: 208.22 Mbit/s
95th percentile per-packet one-way delay: 37.819 ms
Loss rate: 11.84%
-- Flow 3:
Average throughput: 125.54 Mbit/s
95th percentile per-packet one-way delay: 31.866 ms
Loss rate: 10.10%

Run 5: Report of Verus — Data Link

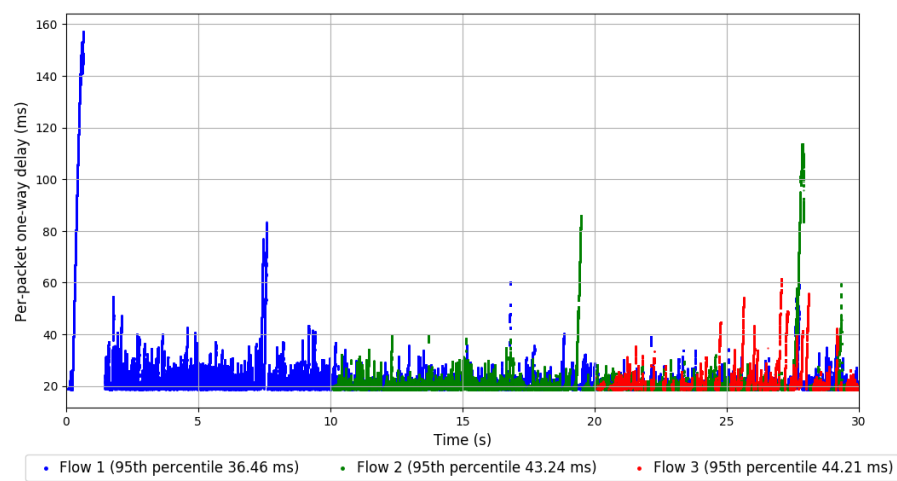
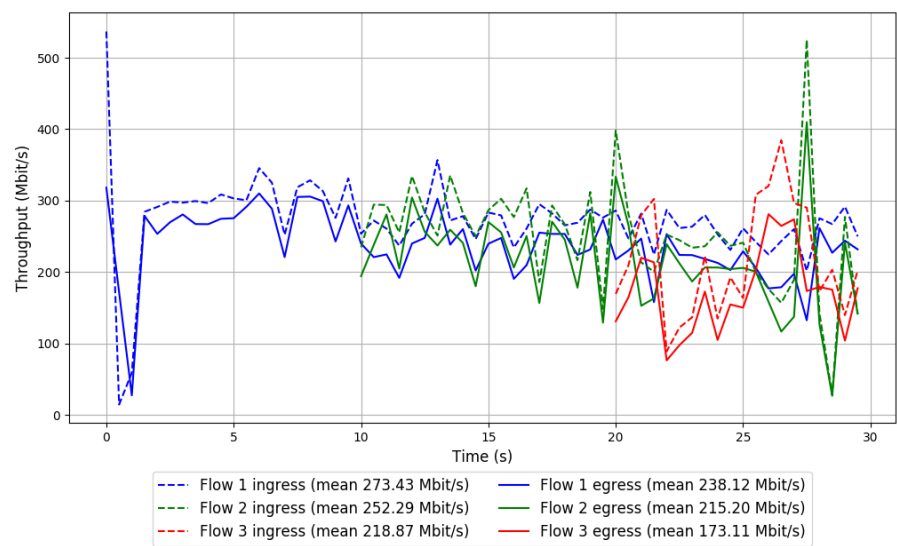


Run 6: Statistics of Verus

Start at: 2018-03-27 21:46:31
End at: 2018-03-27 21:47:01
Local clock offset: -2.202 ms
Remote clock offset: -4.391 ms

Below is generated by plot.py at 2018-03-28 03:39:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 438.54 Mbit/s
95th percentile per-packet one-way delay: 39.515 ms
Loss rate: 14.62%
-- Flow 1:
Average throughput: 238.12 Mbit/s
95th percentile per-packet one-way delay: 36.458 ms
Loss rate: 12.90%
-- Flow 2:
Average throughput: 215.20 Mbit/s
95th percentile per-packet one-way delay: 43.238 ms
Loss rate: 14.70%
-- Flow 3:
Average throughput: 173.11 Mbit/s
95th percentile per-packet one-way delay: 44.213 ms
Loss rate: 20.95%

Run 6: Report of Verus — Data Link

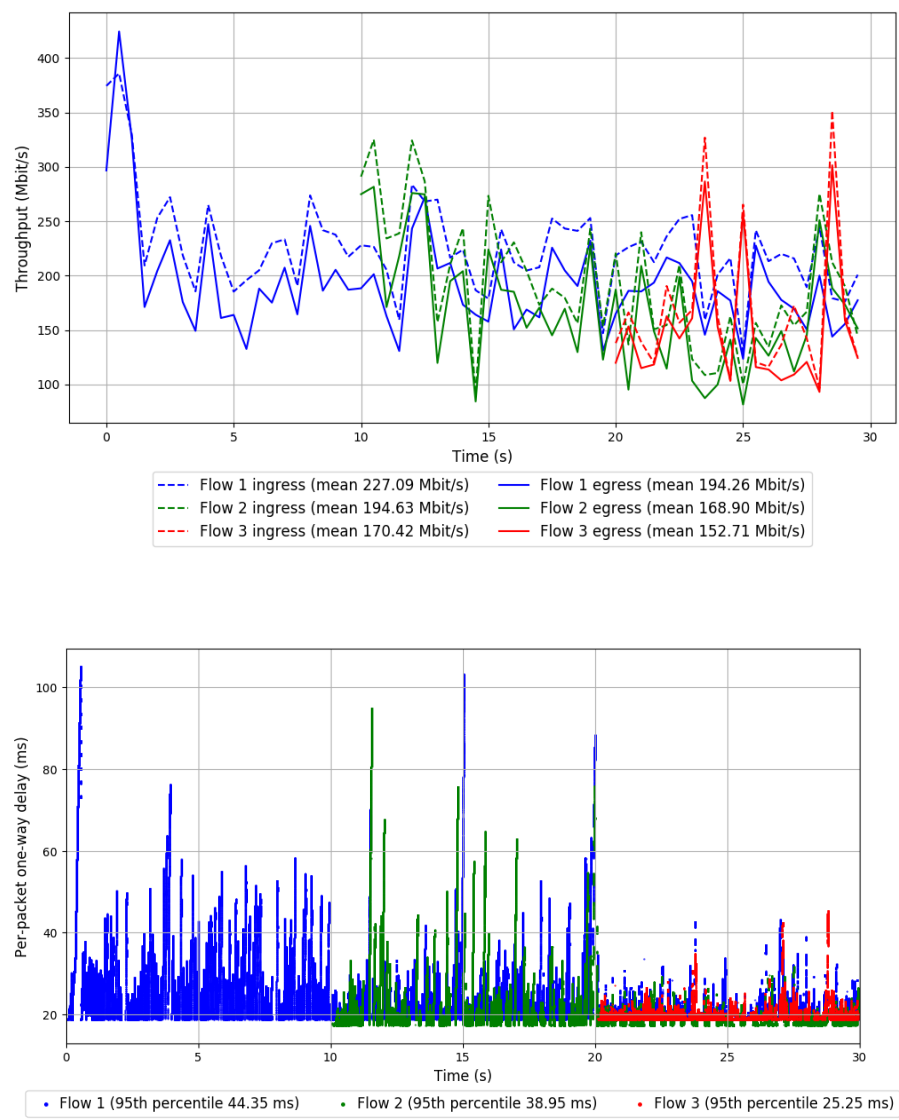


Run 7: Statistics of Verus

Start at: 2018-03-27 22:15:28
End at: 2018-03-27 22:15:58
Local clock offset: 1.383 ms
Remote clock offset: -5.765 ms

Below is generated by plot.py at 2018-03-28 03:41:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 356.89 Mbit/s
95th percentile per-packet one-way delay: 40.761 ms
Loss rate: 13.50%
-- Flow 1:
Average throughput: 194.26 Mbit/s
95th percentile per-packet one-way delay: 44.349 ms
Loss rate: 14.46%
-- Flow 2:
Average throughput: 168.90 Mbit/s
95th percentile per-packet one-way delay: 38.951 ms
Loss rate: 13.18%
-- Flow 3:
Average throughput: 152.71 Mbit/s
95th percentile per-packet one-way delay: 25.254 ms
Loss rate: 10.39%

Run 7: Report of Verus — Data Link

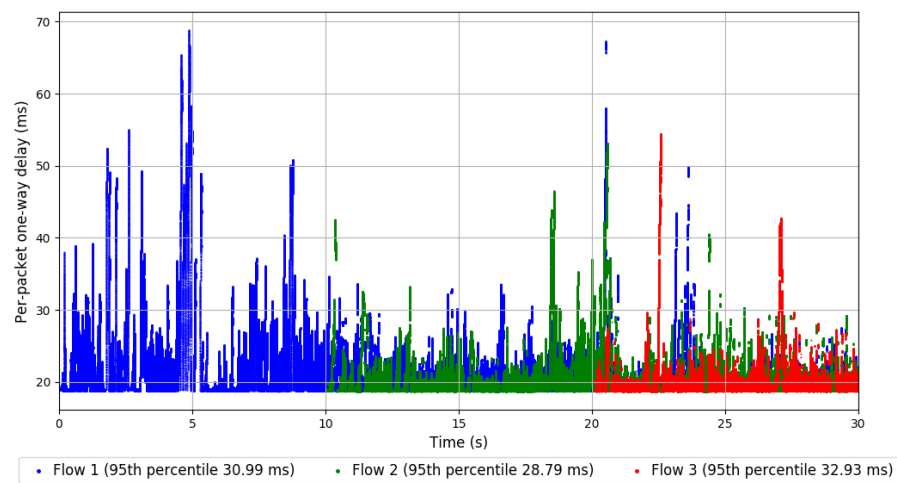
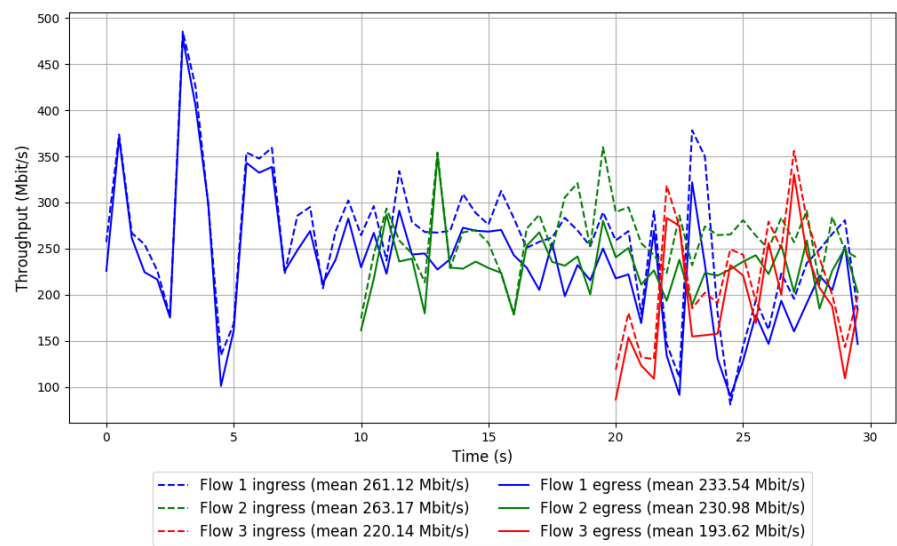


Run 8: Statistics of Verus

Start at: 2018-03-27 22:44:17
End at: 2018-03-27 22:44:47
Local clock offset: 0.745 ms
Remote clock offset: -6.582 ms

Below is generated by plot.py at 2018-03-28 03:44:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 451.38 Mbit/s
95th percentile per-packet one-way delay: 30.351 ms
Loss rate: 11.35%
-- Flow 1:
Average throughput: 233.54 Mbit/s
95th percentile per-packet one-way delay: 30.988 ms
Loss rate: 10.56%
-- Flow 2:
Average throughput: 230.98 Mbit/s
95th percentile per-packet one-way delay: 28.789 ms
Loss rate: 12.23%
-- Flow 3:
Average throughput: 193.62 Mbit/s
95th percentile per-packet one-way delay: 32.931 ms
Loss rate: 12.04%

Run 8: Report of Verus — Data Link

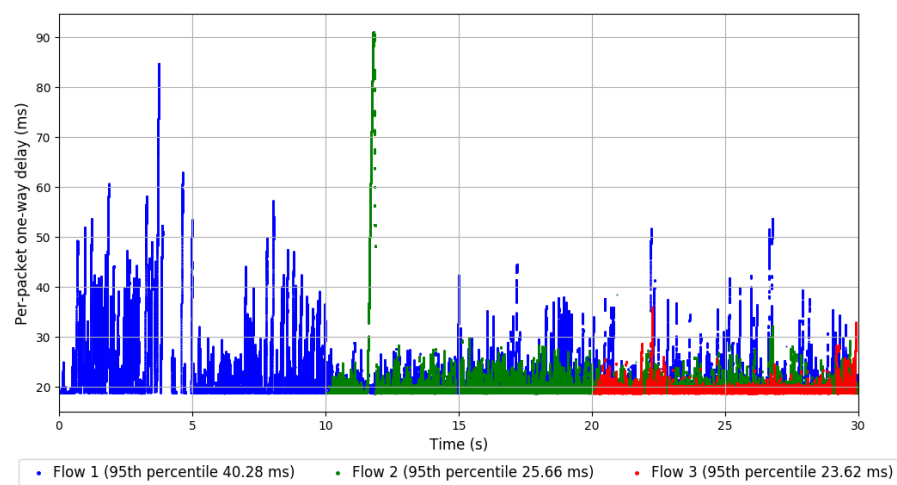
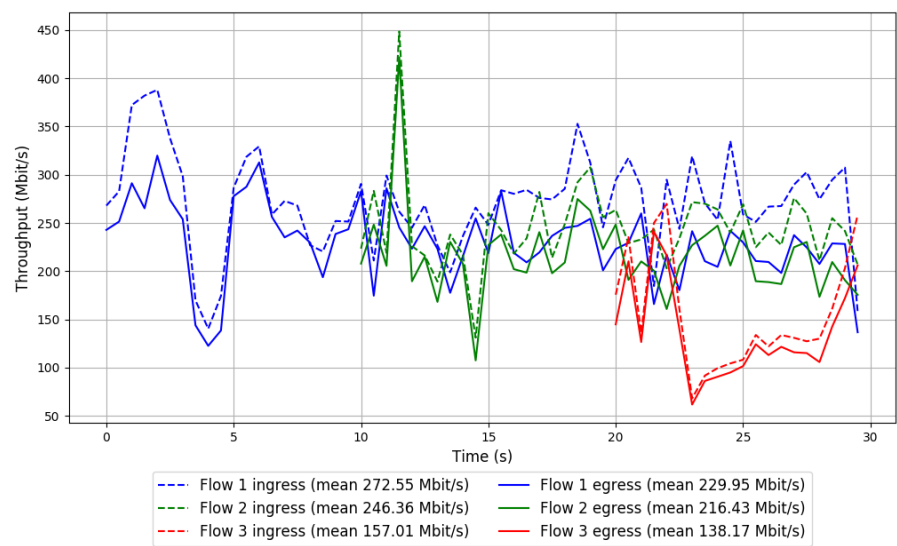


Run 9: Statistics of Verus

Start at: 2018-03-27 23:13:01
End at: 2018-03-27 23:13:31
Local clock offset: 2.595 ms
Remote clock offset: -6.634 ms

Below is generated by plot.py at 2018-03-28 03:44:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 419.50 Mbit/s
95th percentile per-packet one-way delay: 36.538 ms
Loss rate: 14.06%
-- Flow 1:
Average throughput: 229.95 Mbit/s
95th percentile per-packet one-way delay: 40.277 ms
Loss rate: 15.63%
-- Flow 2:
Average throughput: 216.43 Mbit/s
95th percentile per-packet one-way delay: 25.660 ms
Loss rate: 12.14%
-- Flow 3:
Average throughput: 138.17 Mbit/s
95th percentile per-packet one-way delay: 23.620 ms
Loss rate: 11.93%

Run 9: Report of Verus — Data Link

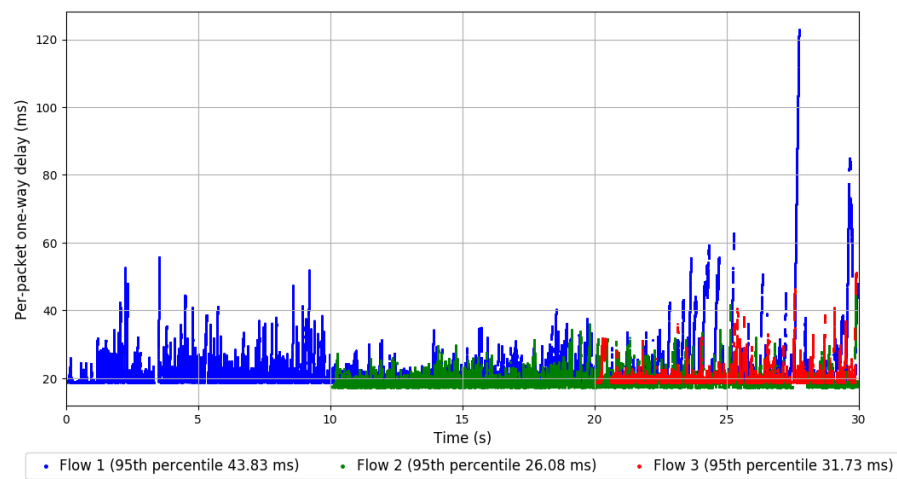
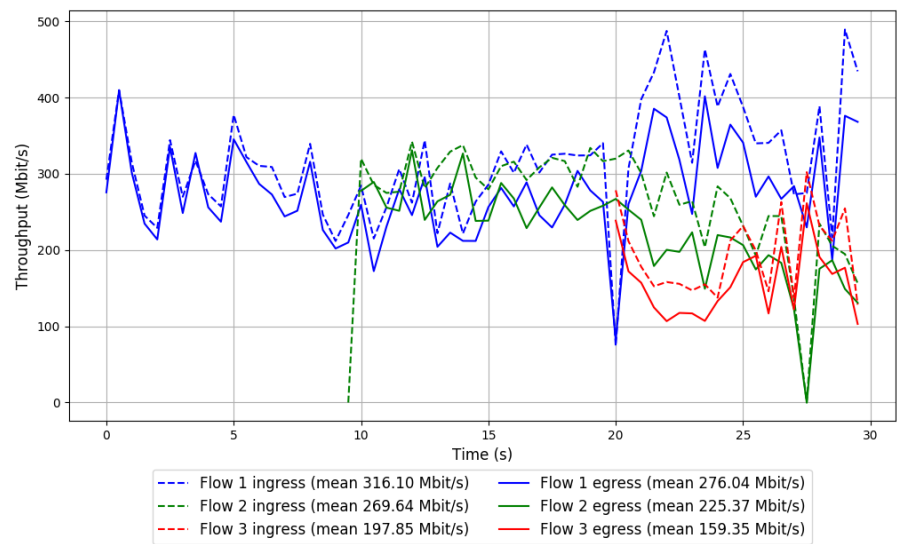


Run 10: Statistics of Verus

Start at: 2018-03-27 23:41:57
End at: 2018-03-27 23:42:27
Local clock offset: 2.948 ms
Remote clock offset: -5.956 ms

Below is generated by plot.py at 2018-03-28 03:45:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 478.67 Mbit/s
95th percentile per-packet one-way delay: 37.221 ms
Loss rate: 14.62%
-- Flow 1:
Average throughput: 276.04 Mbit/s
95th percentile per-packet one-way delay: 43.829 ms
Loss rate: 12.67%
-- Flow 2:
Average throughput: 225.37 Mbit/s
95th percentile per-packet one-way delay: 26.079 ms
Loss rate: 16.41%
-- Flow 3:
Average throughput: 159.35 Mbit/s
95th percentile per-packet one-way delay: 31.728 ms
Loss rate: 19.19%

Run 10: Report of Verus — Data Link

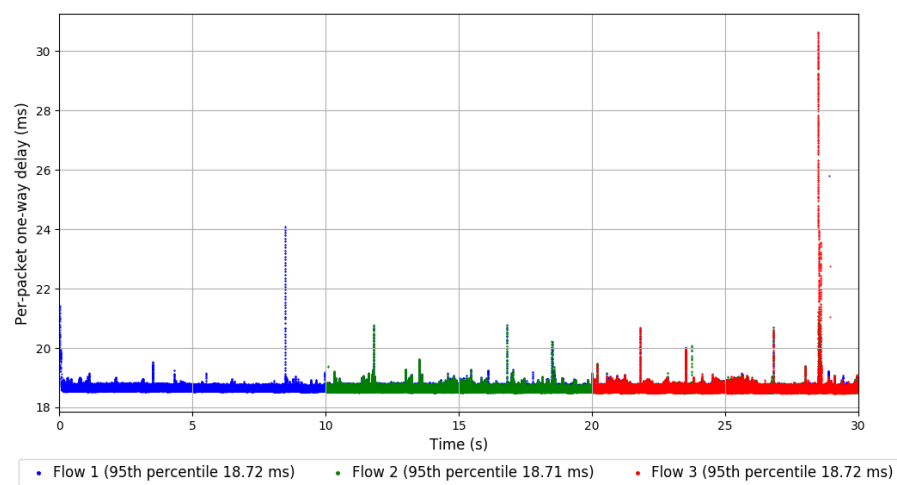
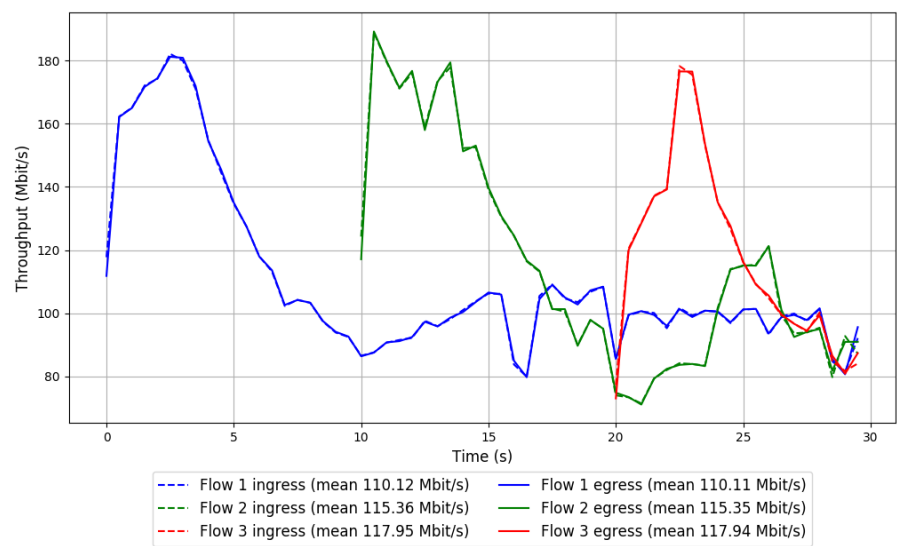


Run 1: Statistics of Copa

Start at: 2018-03-27 19:24:42
End at: 2018-03-27 19:25:12
Local clock offset: -0.476 ms
Remote clock offset: -6.082 ms

Below is generated by plot.py at 2018-03-28 03:45:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 226.00 Mbit/s
95th percentile per-packet one-way delay: 18.716 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 110.11 Mbit/s
95th percentile per-packet one-way delay: 18.719 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 115.35 Mbit/s
95th percentile per-packet one-way delay: 18.707 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 117.94 Mbit/s
95th percentile per-packet one-way delay: 18.721 ms
Loss rate: 0.01%

Run 1: Report of Copa — Data Link

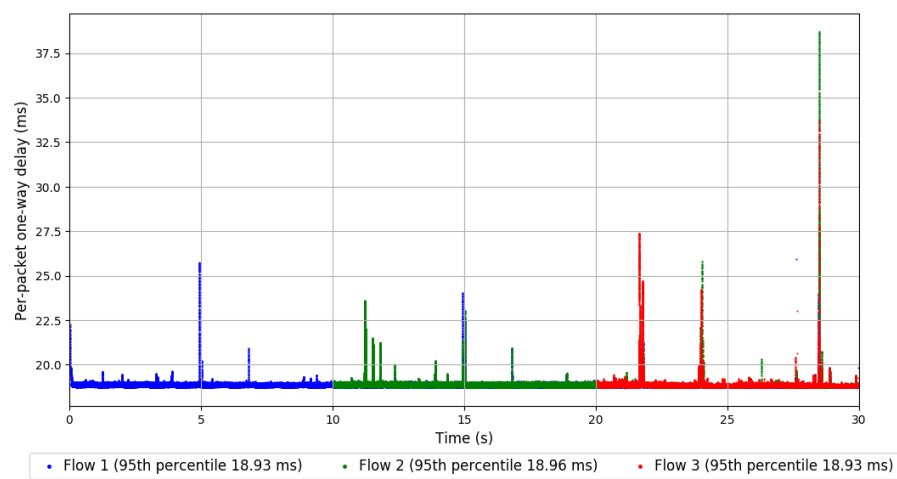
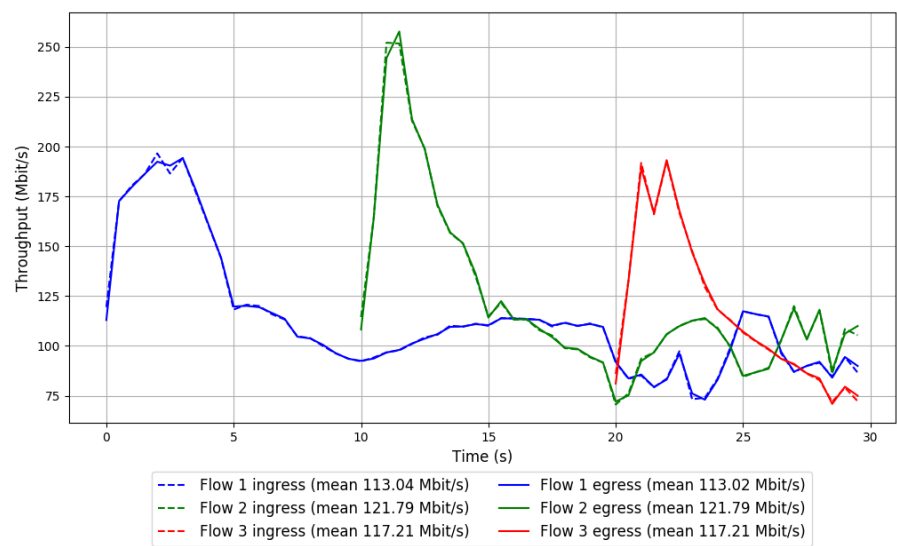


Run 2: Statistics of Copa

Start at: 2018-03-27 19:53:25
End at: 2018-03-27 19:53:55
Local clock offset: -0.428 ms
Remote clock offset: -5.612 ms

Below is generated by plot.py at 2018-03-28 03:45:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 232.94 Mbit/s
95th percentile per-packet one-way delay: 18.943 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 113.02 Mbit/s
95th percentile per-packet one-way delay: 18.933 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 121.79 Mbit/s
95th percentile per-packet one-way delay: 18.962 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 117.21 Mbit/s
95th percentile per-packet one-way delay: 18.933 ms
Loss rate: 0.01%

Run 2: Report of Copa — Data Link

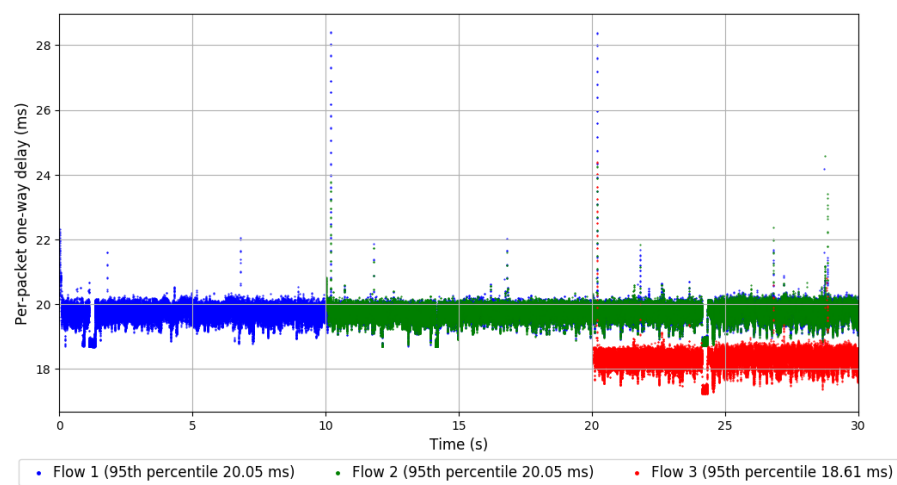
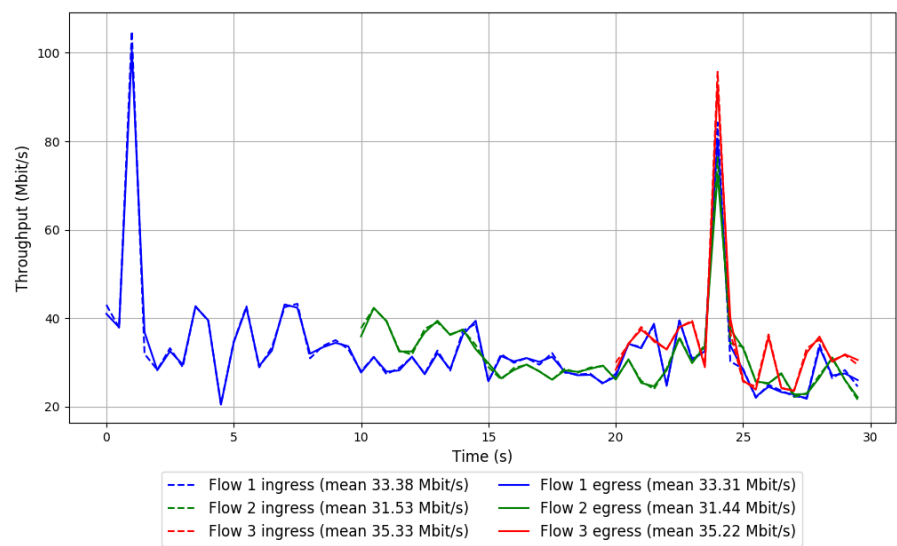


Run 3: Statistics of Copa

Start at: 2018-03-27 20:22:09
End at: 2018-03-27 20:22:39
Local clock offset: 1.931 ms
Remote clock offset: -5.199 ms

Below is generated by plot.py at 2018-03-28 03:45:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.96 Mbit/s
95th percentile per-packet one-way delay: 20.033 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 33.31 Mbit/s
95th percentile per-packet one-way delay: 20.046 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 31.44 Mbit/s
95th percentile per-packet one-way delay: 20.046 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 35.22 Mbit/s
95th percentile per-packet one-way delay: 18.606 ms
Loss rate: 0.32%

Run 3: Report of Copa — Data Link

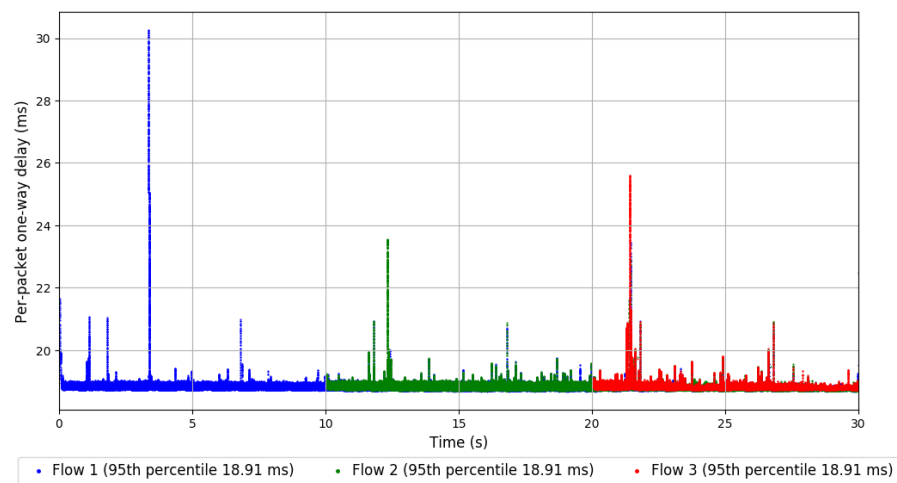
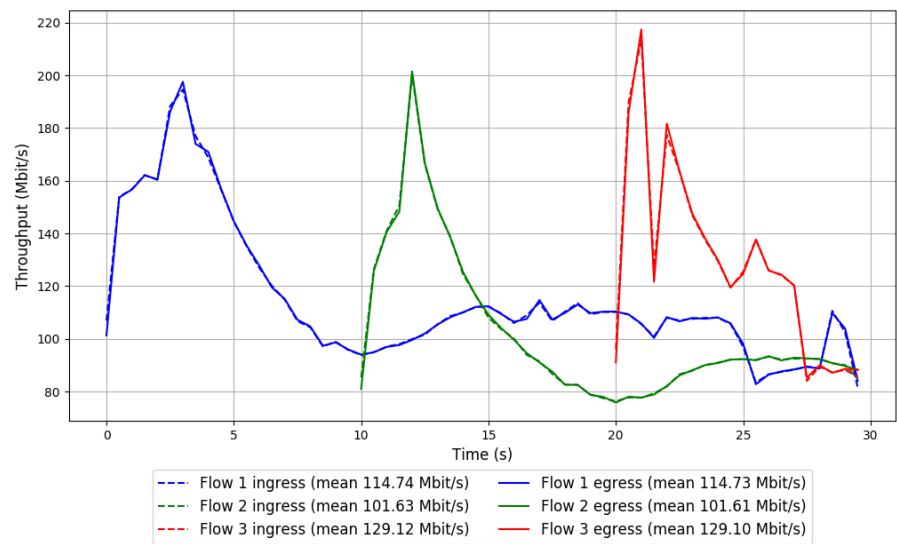


Run 4: Statistics of Copa

Start at: 2018-03-27 20:50:28
End at: 2018-03-27 20:50:58
Local clock offset: 1.16 ms
Remote clock offset: -5.404 ms

Below is generated by plot.py at 2018-03-28 03:45:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 225.24 Mbit/s
95th percentile per-packet one-way delay: 18.911 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 114.73 Mbit/s
95th percentile per-packet one-way delay: 18.909 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 101.61 Mbit/s
95th percentile per-packet one-way delay: 18.915 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 129.10 Mbit/s
95th percentile per-packet one-way delay: 18.910 ms
Loss rate: 0.01%

Run 4: Report of Copa — Data Link

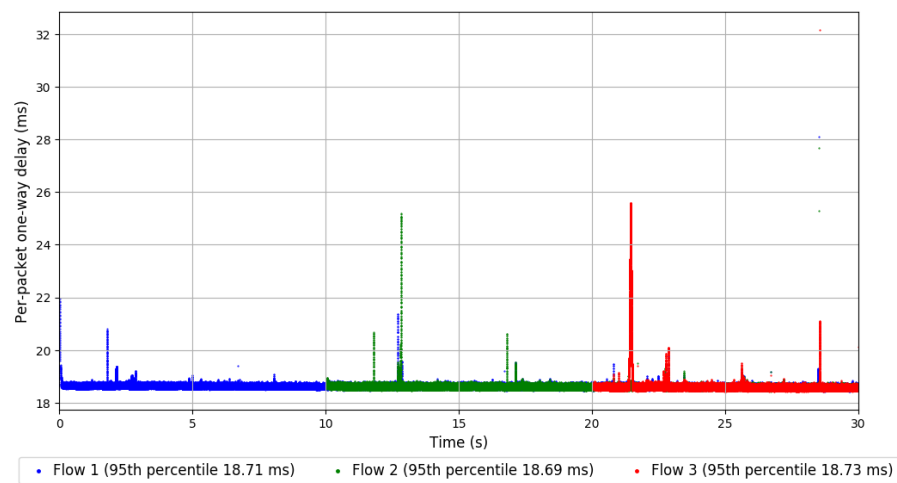
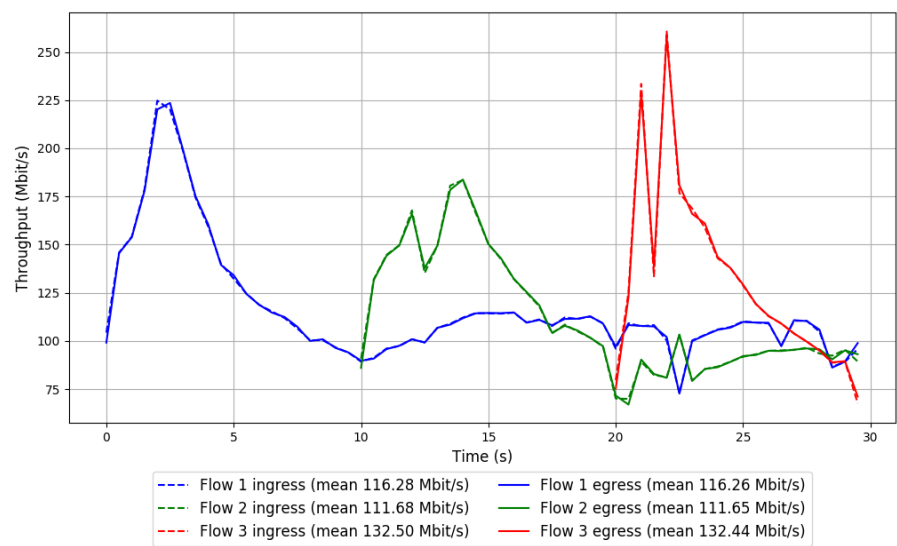


Run 5: Statistics of Copa

Start at: 2018-03-27 21:19:16
End at: 2018-03-27 21:19:46
Local clock offset: -0.273 ms
Remote clock offset: -4.901 ms

Below is generated by plot.py at 2018-03-28 03:46:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 234.48 Mbit/s
95th percentile per-packet one-way delay: 18.703 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 116.26 Mbit/s
95th percentile per-packet one-way delay: 18.706 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 111.65 Mbit/s
95th percentile per-packet one-way delay: 18.686 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 132.44 Mbit/s
95th percentile per-packet one-way delay: 18.734 ms
Loss rate: 0.03%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-03-27 21:48:12

End at: 2018-03-27 21:48:42

Local clock offset: -2.195 ms

Remote clock offset: -4.27 ms

Below is generated by plot.py at 2018-03-28 03:48:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 227.98 Mbit/s

95th percentile per-packet one-way delay: 18.878 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 114.73 Mbit/s

95th percentile per-packet one-way delay: 18.865 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 103.54 Mbit/s

95th percentile per-packet one-way delay: 18.867 ms

Loss rate: 0.04%

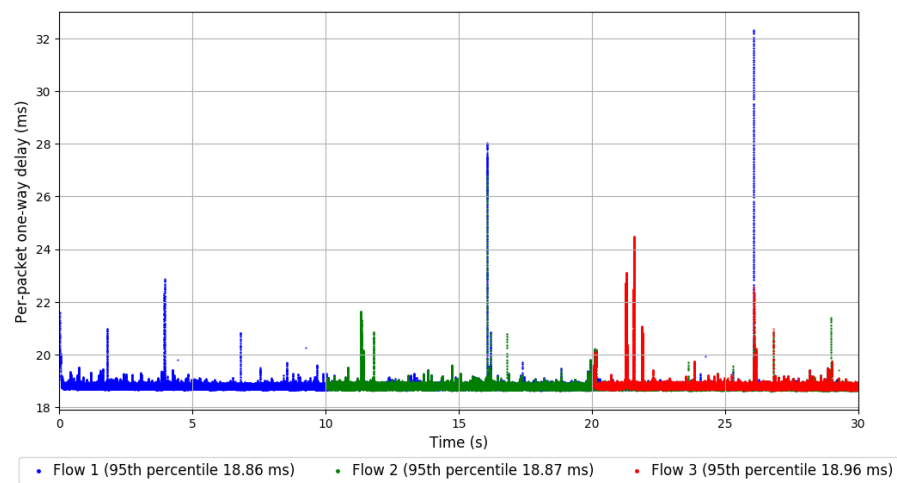
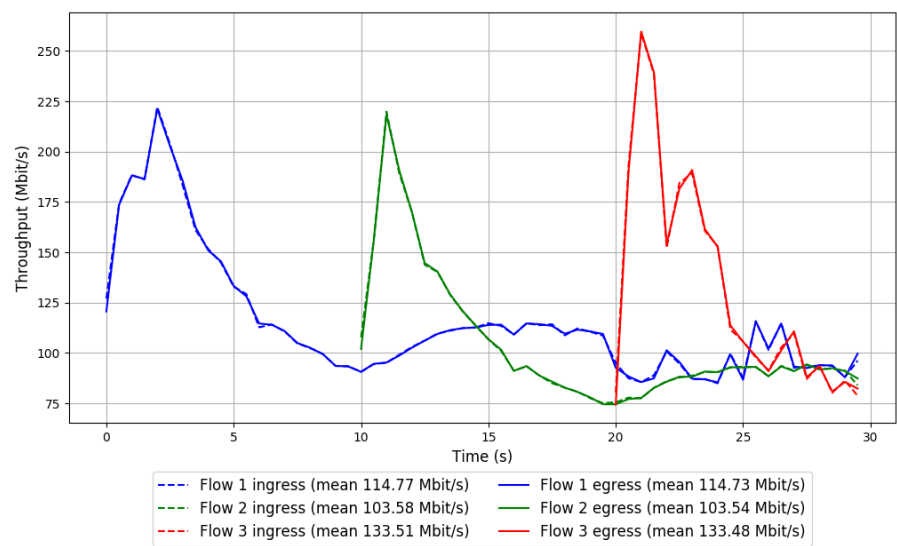
-- Flow 3:

Average throughput: 133.48 Mbit/s

95th percentile per-packet one-way delay: 18.958 ms

Loss rate: 0.02%

Run 6: Report of Copa — Data Link

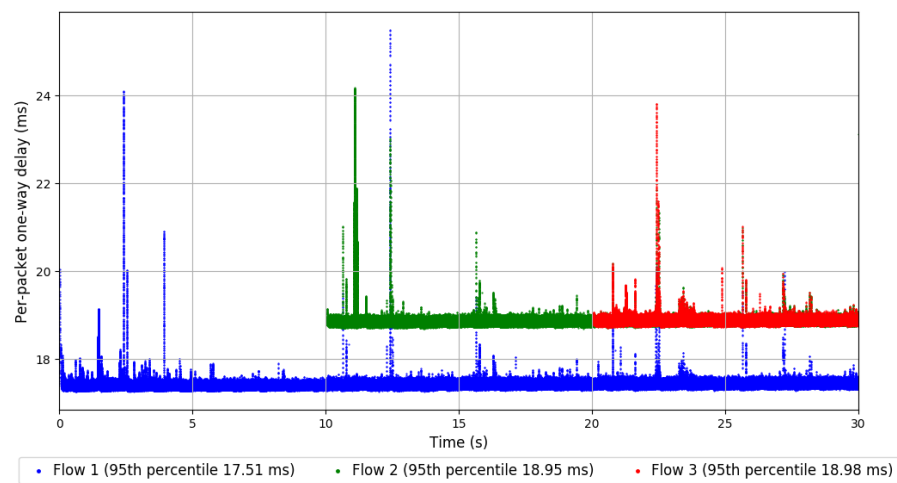
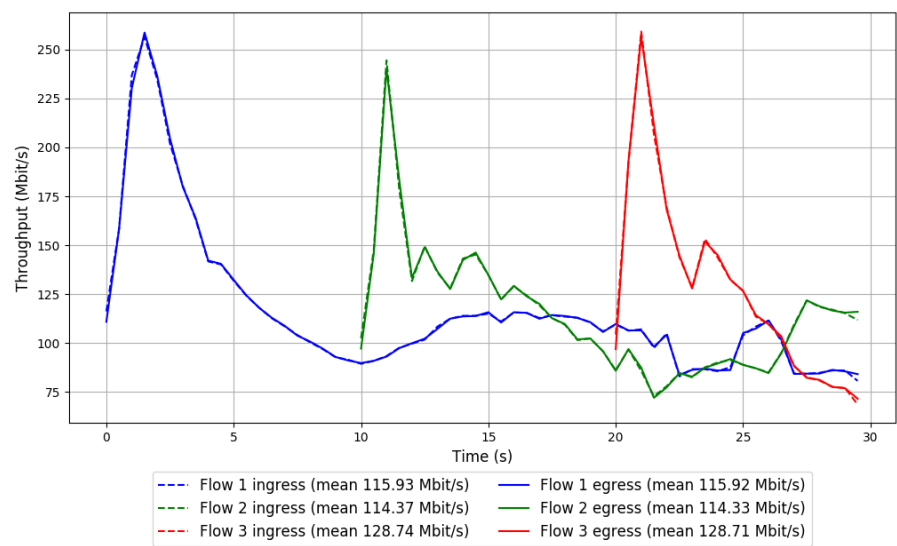


Run 7: Statistics of Copa

Start at: 2018-03-27 22:17:05
End at: 2018-03-27 22:17:35
Local clock offset: 1.385 ms
Remote clock offset: -5.963 ms

```
# Below is generated by plot.py at 2018-03-28 03:50:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 234.75 Mbit/s
95th percentile per-packet one-way delay: 18.928 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 115.92 Mbit/s
95th percentile per-packet one-way delay: 17.507 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 114.33 Mbit/s
95th percentile per-packet one-way delay: 18.950 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 128.71 Mbit/s
95th percentile per-packet one-way delay: 18.980 ms
Loss rate: 0.03%
```


Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-03-27 22:45:59

End at: 2018-03-27 22:46:29

Local clock offset: 0.815 ms

Remote clock offset: -6.53 ms

Below is generated by plot.py at 2018-03-28 03:50:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 232.81 Mbit/s

95th percentile per-packet one-way delay: 18.868 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 115.64 Mbit/s

95th percentile per-packet one-way delay: 18.859 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 117.24 Mbit/s

95th percentile per-packet one-way delay: 18.854 ms

Loss rate: 0.02%

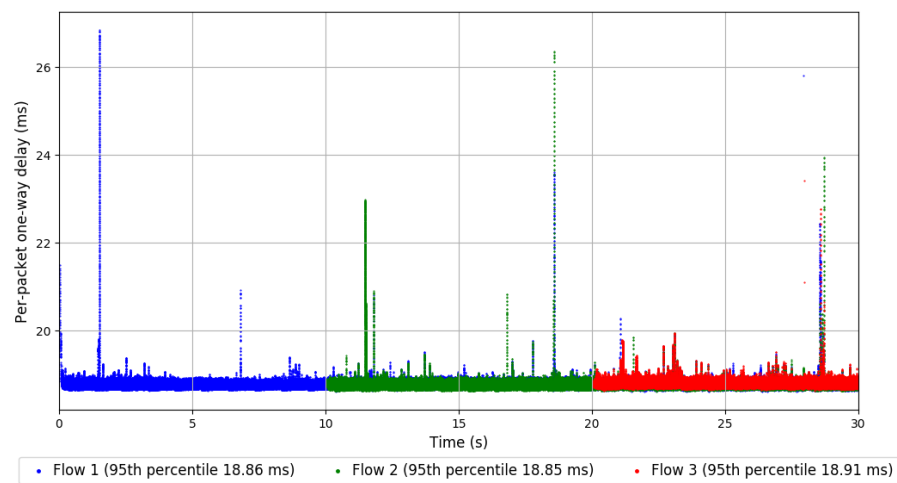
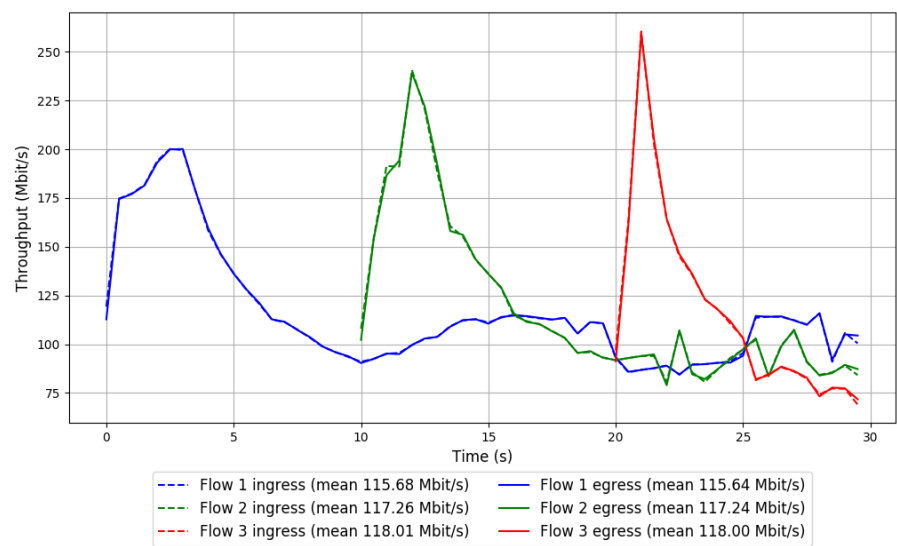
-- Flow 3:

Average throughput: 118.00 Mbit/s

95th percentile per-packet one-way delay: 18.911 ms

Loss rate: 0.01%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-03-27 23:14:42

End at: 2018-03-27 23:15:12

Local clock offset: 2.706 ms

Remote clock offset: -6.51 ms

Below is generated by plot.py at 2018-03-28 03:51:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 237.70 Mbit/s

95th percentile per-packet one-way delay: 18.929 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 115.80 Mbit/s

95th percentile per-packet one-way delay: 18.898 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 117.18 Mbit/s

95th percentile per-packet one-way delay: 18.919 ms

Loss rate: 0.00%

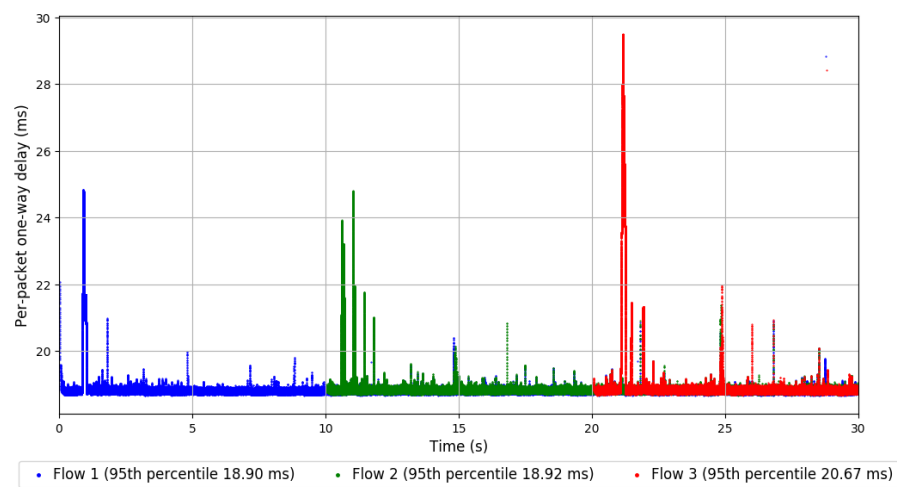
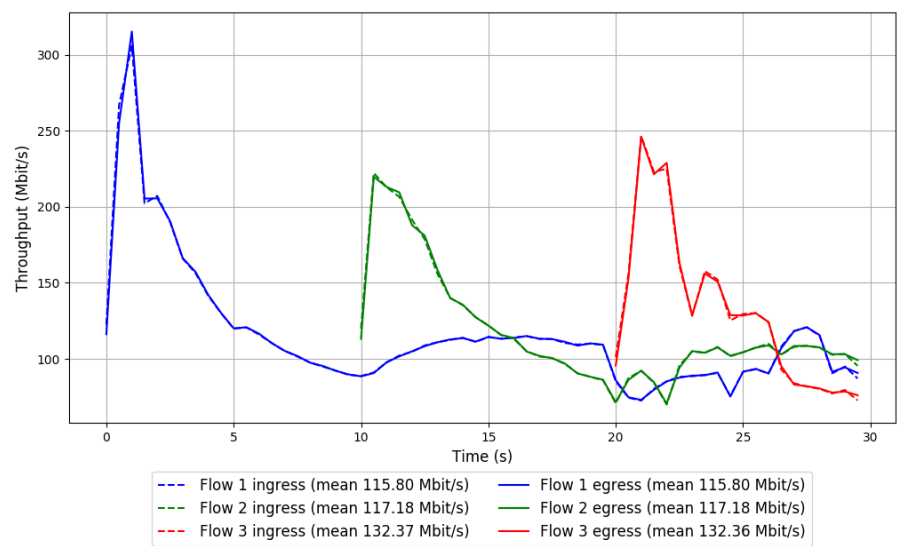
-- Flow 3:

Average throughput: 132.36 Mbit/s

95th percentile per-packet one-way delay: 20.670 ms

Loss rate: 0.01%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-03-27 23:43:40

End at: 2018-03-27 23:44:10

Local clock offset: 2.904 ms

Remote clock offset: -5.91 ms

Below is generated by plot.py at 2018-03-28 03:51:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 236.76 Mbit/s

95th percentile per-packet one-way delay: 18.900 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 115.19 Mbit/s

95th percentile per-packet one-way delay: 18.896 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 119.53 Mbit/s

95th percentile per-packet one-way delay: 18.885 ms

Loss rate: 0.01%

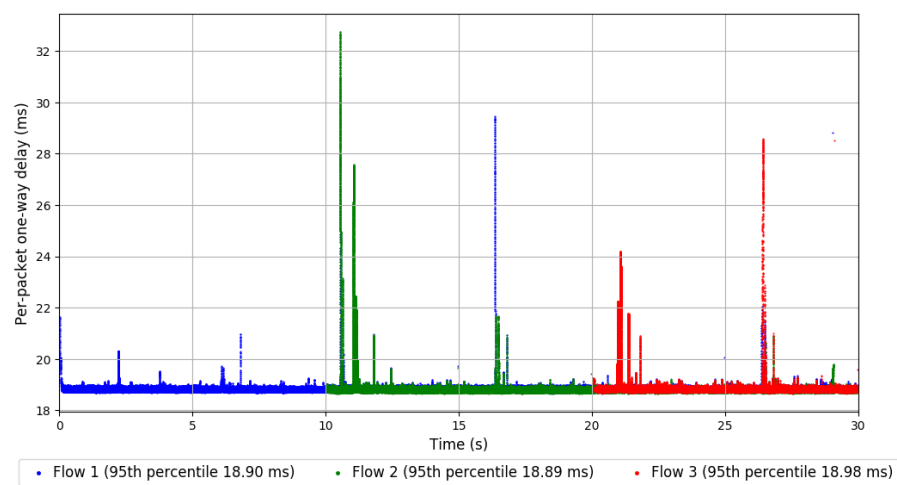
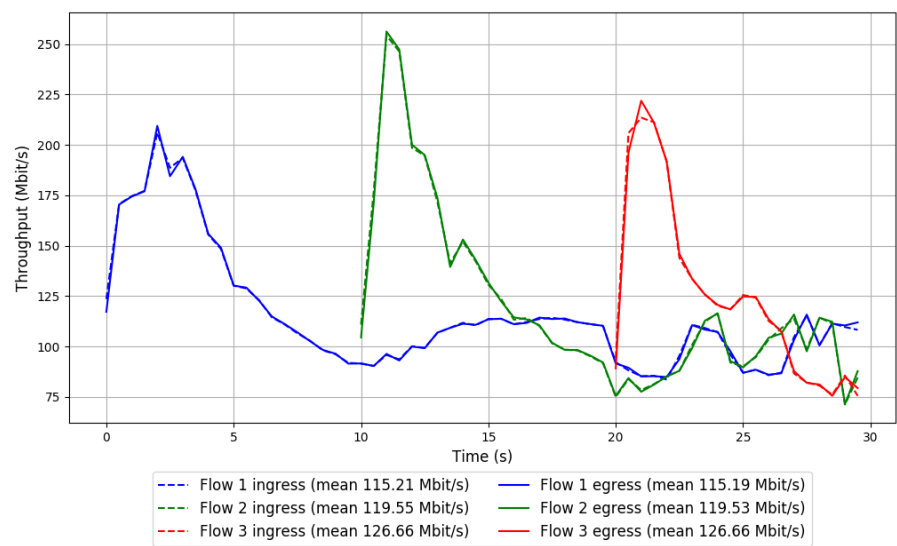
-- Flow 3:

Average throughput: 126.66 Mbit/s

95th percentile per-packet one-way delay: 18.980 ms

Loss rate: 0.01%

Run 10: Report of Copa — Data Link

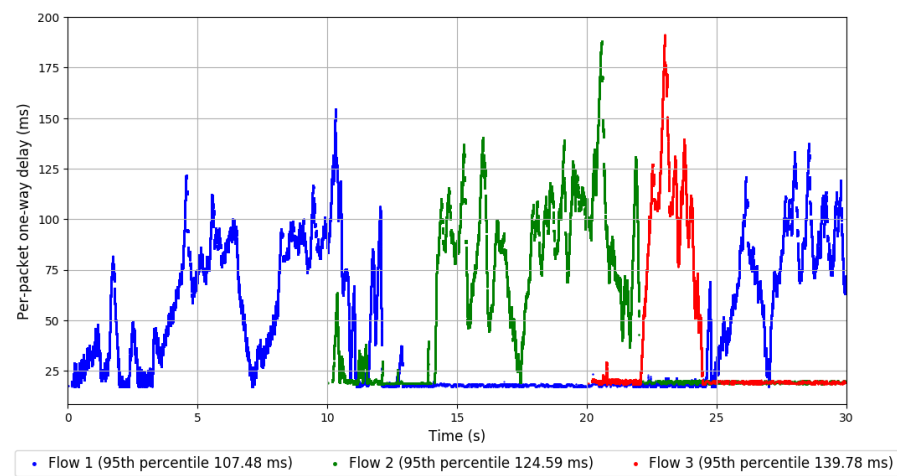
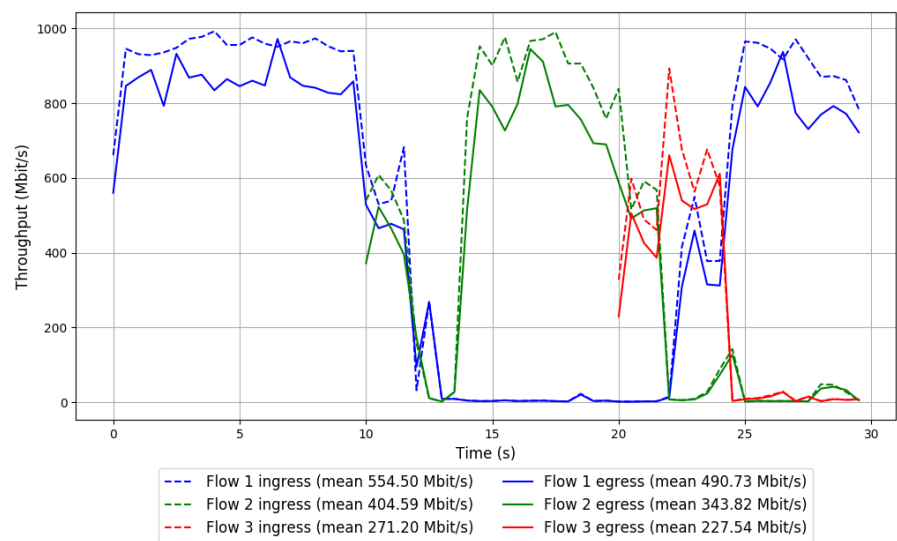


Run 1: Statistics of FillP

Start at: 2018-03-27 19:28:08
End at: 2018-03-27 19:28:38
Local clock offset: -0.801 ms
Remote clock offset: -6.081 ms

Below is generated by plot.py at 2018-03-28 03:58:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 794.96 Mbit/s
95th percentile per-packet one-way delay: 117.879 ms
Loss rate: 12.99%
-- Flow 1:
Average throughput: 490.73 Mbit/s
95th percentile per-packet one-way delay: 107.482 ms
Loss rate: 11.50%
-- Flow 2:
Average throughput: 343.82 Mbit/s
95th percentile per-packet one-way delay: 124.589 ms
Loss rate: 15.02%
-- Flow 3:
Average throughput: 227.54 Mbit/s
95th percentile per-packet one-way delay: 139.779 ms
Loss rate: 16.09%

Run 1: Report of FillP — Data Link

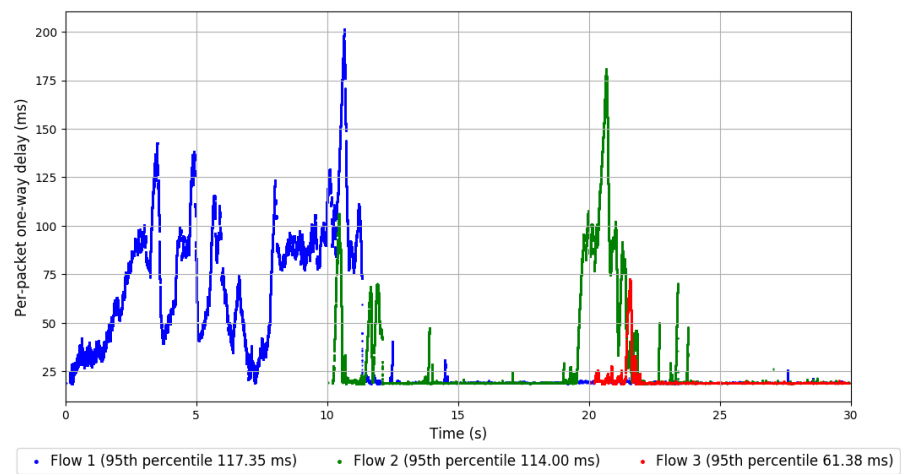
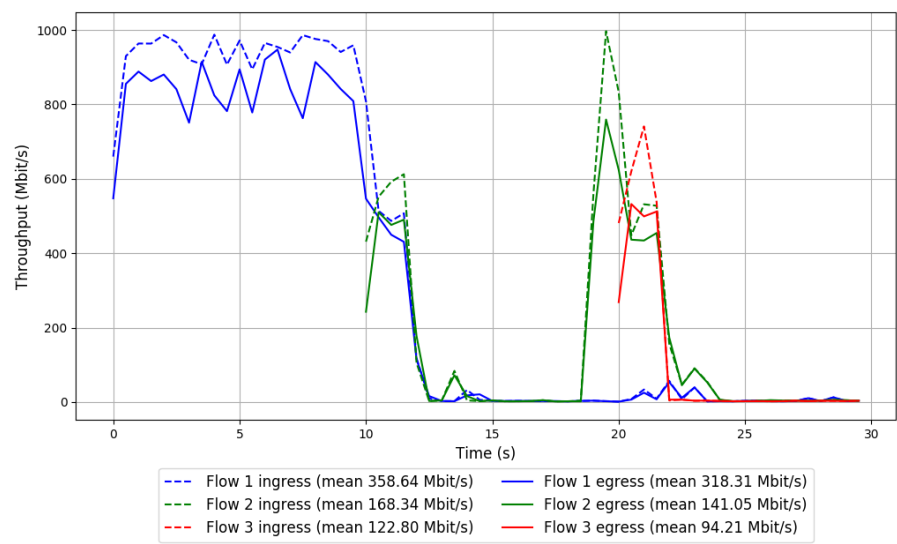


Run 2: Statistics of FillP

Start at: 2018-03-27 19:56:52
End at: 2018-03-27 19:57:22
Local clock offset: -0.446 ms
Remote clock offset: -5.518 ms

Below is generated by plot.py at 2018-03-28 03:58:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 443.34 Mbit/s
95th percentile per-packet one-way delay: 115.325 ms
Loss rate: 13.29%
-- Flow 1:
Average throughput: 318.31 Mbit/s
95th percentile per-packet one-way delay: 117.346 ms
Loss rate: 11.25%
-- Flow 2:
Average throughput: 141.05 Mbit/s
95th percentile per-packet one-way delay: 114.005 ms
Loss rate: 16.21%
-- Flow 3:
Average throughput: 94.21 Mbit/s
95th percentile per-packet one-way delay: 61.376 ms
Loss rate: 23.28%

Run 2: Report of FillP — Data Link

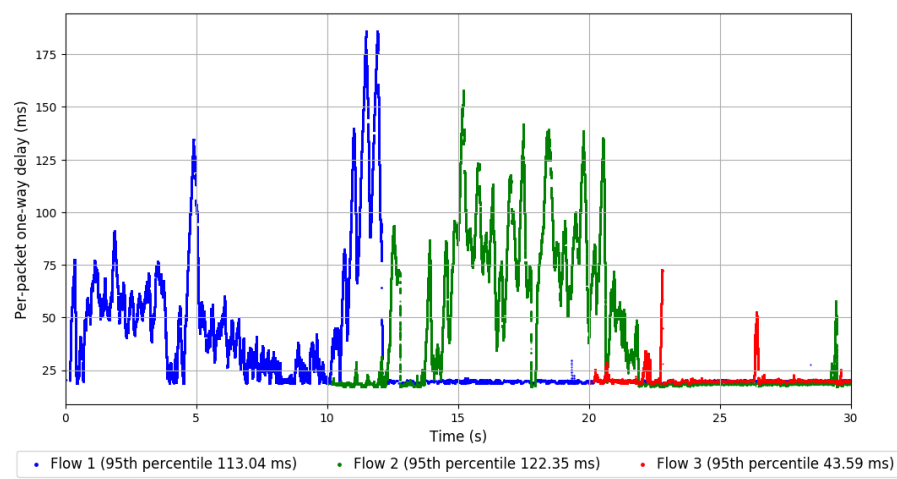
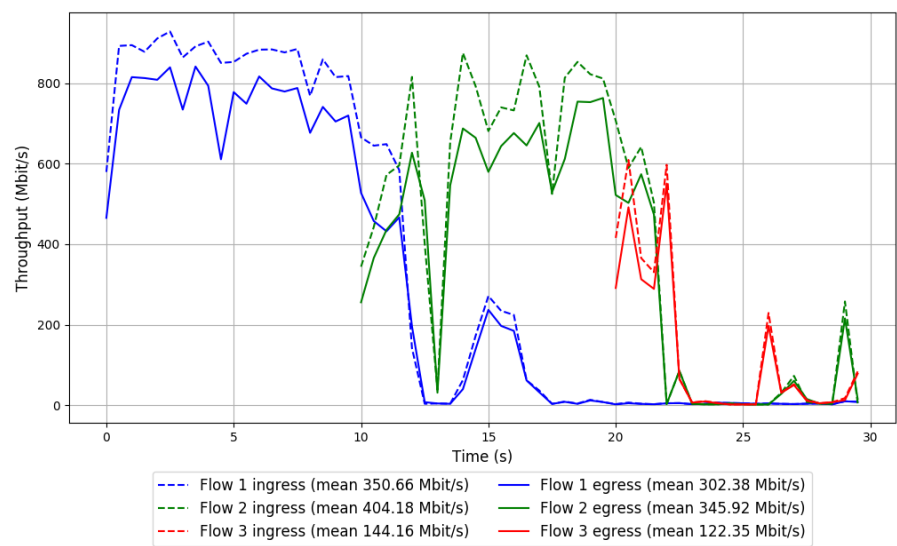


Run 3: Statistics of FillP

Start at: 2018-03-27 20:25:20
End at: 2018-03-27 20:25:50
Local clock offset: 2.147 ms
Remote clock offset: -5.221 ms

Below is generated by plot.py at 2018-03-28 03:58:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 572.91 Mbit/s
95th percentile per-packet one-way delay: 117.819 ms
Loss rate: 14.13%
-- Flow 1:
Average throughput: 302.38 Mbit/s
95th percentile per-packet one-way delay: 113.043 ms
Loss rate: 13.77%
-- Flow 2:
Average throughput: 345.92 Mbit/s
95th percentile per-packet one-way delay: 122.346 ms
Loss rate: 14.42%
-- Flow 3:
Average throughput: 122.35 Mbit/s
95th percentile per-packet one-way delay: 43.588 ms
Loss rate: 15.12%

Run 3: Report of FillP — Data Link

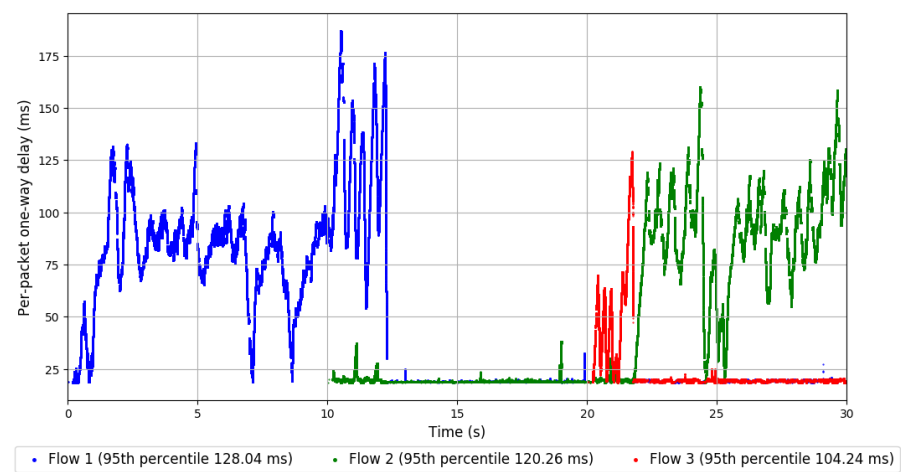
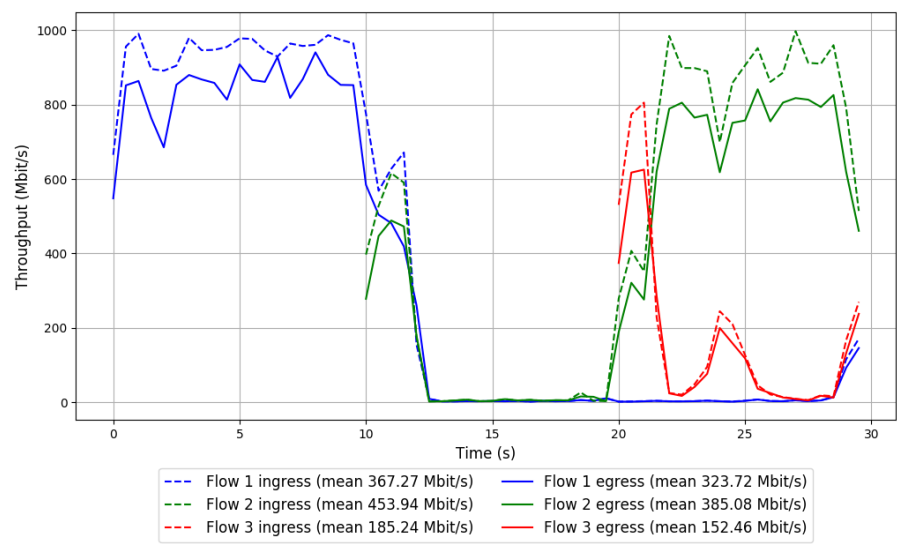


Run 4: Statistics of FillP

Start at: 2018-03-27 20:53:54
End at: 2018-03-27 20:54:24
Local clock offset: 1.007 ms
Remote clock offset: -5.464 ms

Below is generated by plot.py at 2018-03-28 03:59:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 630.68 Mbit/s
95th percentile per-packet one-way delay: 123.073 ms
Loss rate: 13.72%
-- Flow 1:
Average throughput: 323.72 Mbit/s
95th percentile per-packet one-way delay: 128.045 ms
Loss rate: 11.86%
-- Flow 2:
Average throughput: 385.08 Mbit/s
95th percentile per-packet one-way delay: 120.256 ms
Loss rate: 15.17%
-- Flow 3:
Average throughput: 152.46 Mbit/s
95th percentile per-packet one-way delay: 104.239 ms
Loss rate: 17.70%

Run 4: Report of FillP — Data Link

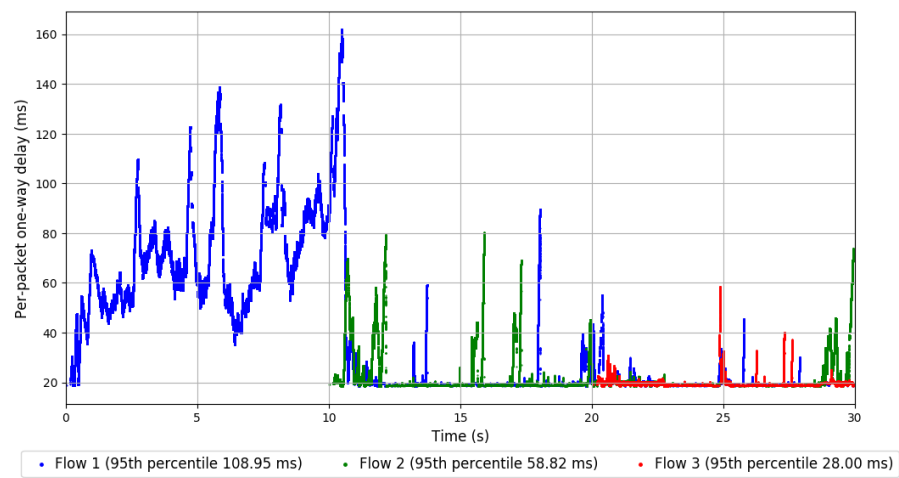
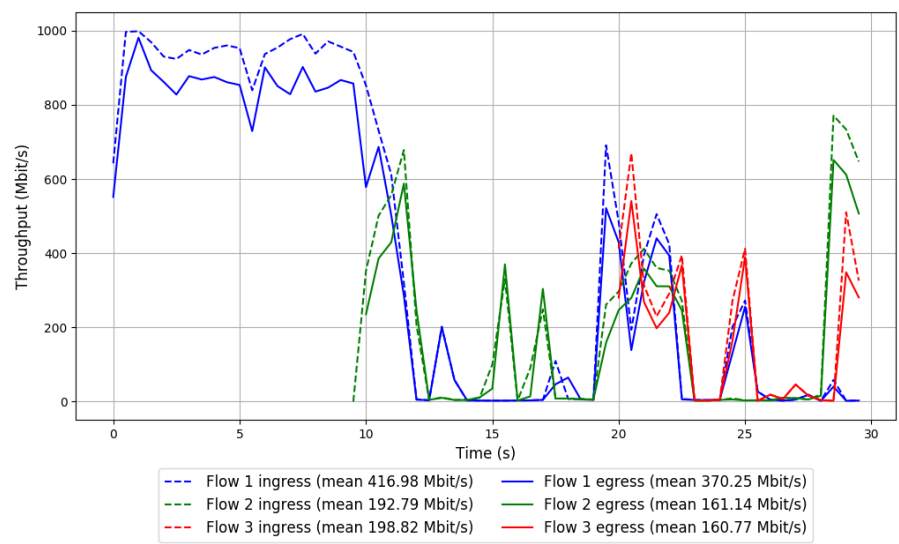


Run 5: Statistics of FillP

Start at: 2018-03-27 21:22:44
End at: 2018-03-27 21:23:14
Local clock offset: -0.784 ms
Remote clock offset: -4.866 ms

Below is generated by plot.py at 2018-03-28 03:59:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 530.80 Mbit/s
95th percentile per-packet one-way delay: 100.250 ms
Loss rate: 13.15%
-- Flow 1:
Average throughput: 370.25 Mbit/s
95th percentile per-packet one-way delay: 108.955 ms
Loss rate: 11.21%
-- Flow 2:
Average throughput: 161.14 Mbit/s
95th percentile per-packet one-way delay: 58.824 ms
Loss rate: 16.41%
-- Flow 3:
Average throughput: 160.77 Mbit/s
95th percentile per-packet one-way delay: 28.000 ms
Loss rate: 19.14%

Run 5: Report of FillP — Data Link

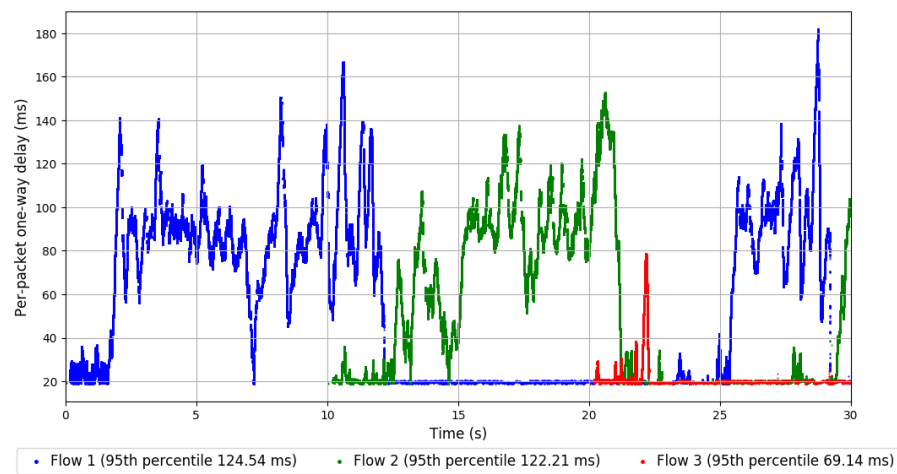
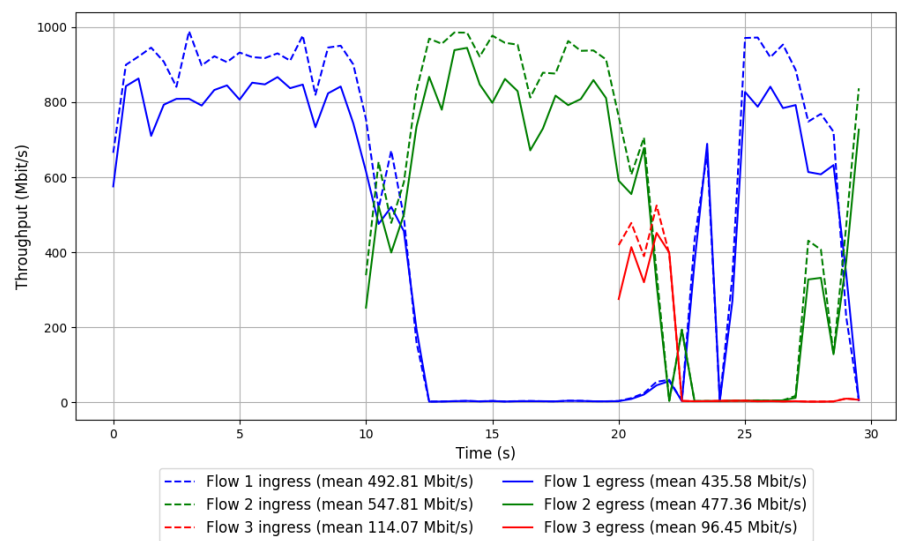


Run 6: Statistics of FillP

Start at: 2018-03-27 21:51:41
End at: 2018-03-27 21:52:11
Local clock offset: -1.596 ms
Remote clock offset: -4.254 ms

Below is generated by plot.py at 2018-03-28 04:04:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 785.22 Mbit/s
95th percentile per-packet one-way delay: 122.353 ms
Loss rate: 12.28%
-- Flow 1:
Average throughput: 435.58 Mbit/s
95th percentile per-packet one-way delay: 124.540 ms
Loss rate: 11.61%
-- Flow 2:
Average throughput: 477.36 Mbit/s
95th percentile per-packet one-way delay: 122.210 ms
Loss rate: 12.85%
-- Flow 3:
Average throughput: 96.45 Mbit/s
95th percentile per-packet one-way delay: 69.138 ms
Loss rate: 15.44%

Run 6: Report of FillP — Data Link

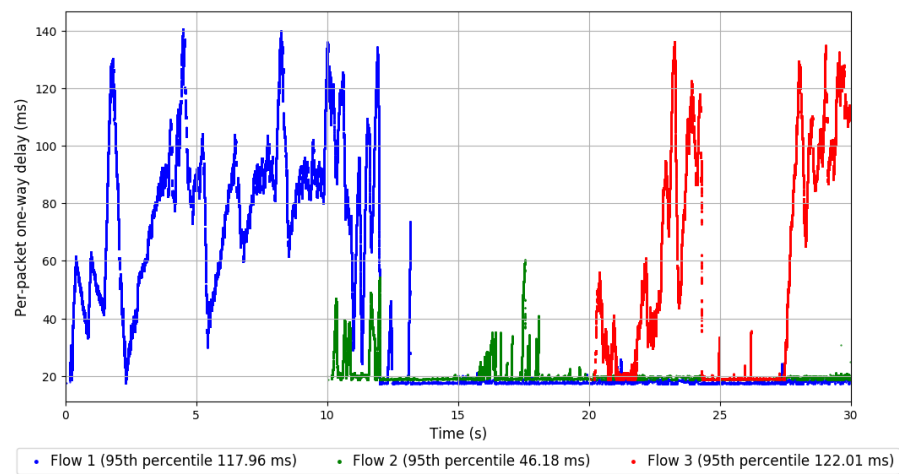
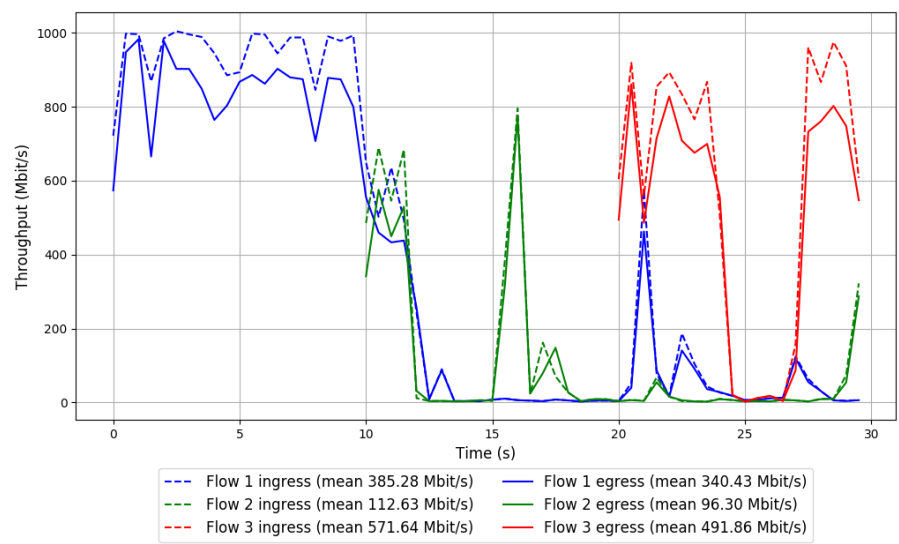


Run 7: Statistics of FillP

Start at: 2018-03-27 22:20:33
End at: 2018-03-27 22:21:03
Local clock offset: 1.597 ms
Remote clock offset: -6.114 ms

Below is generated by plot.py at 2018-03-28 04:04:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 567.24 Mbit/s
95th percentile per-packet one-way delay: 118.401 ms
Loss rate: 12.64%
-- Flow 1:
Average throughput: 340.43 Mbit/s
95th percentile per-packet one-way delay: 117.957 ms
Loss rate: 11.64%
-- Flow 2:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 46.177 ms
Loss rate: 14.48%
-- Flow 3:
Average throughput: 491.86 Mbit/s
95th percentile per-packet one-way delay: 122.008 ms
Loss rate: 13.95%

Run 7: Report of FillP — Data Link

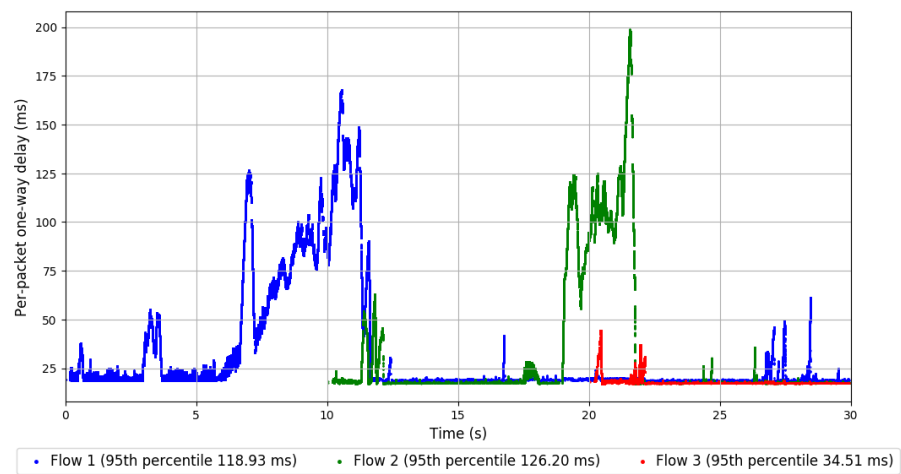
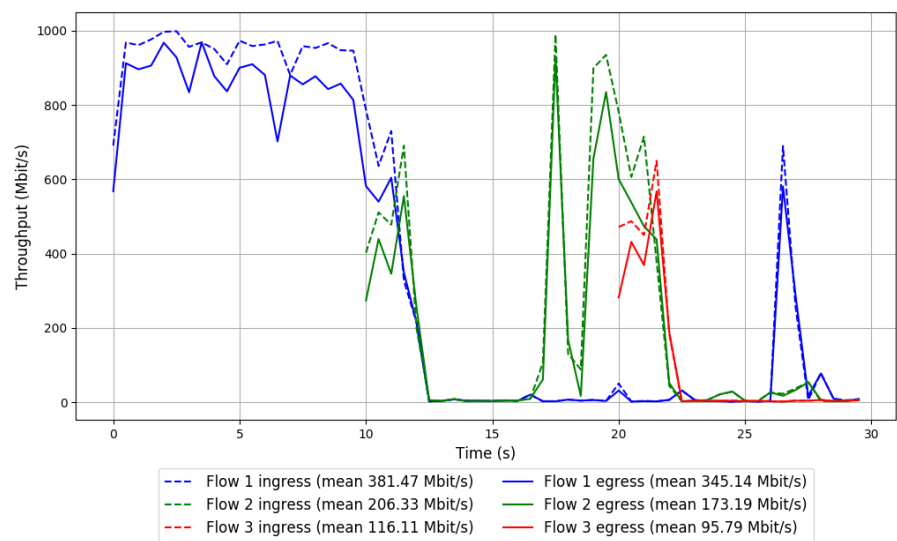


Run 8: Statistics of FillP

Start at: 2018-03-27 22:49:24
End at: 2018-03-27 22:49:54
Local clock offset: 0.849 ms
Remote clock offset: -6.591 ms

Below is generated by plot.py at 2018-03-28 04:04:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 492.06 Mbit/s
95th percentile per-packet one-way delay: 120.556 ms
Loss rate: 11.68%
-- Flow 1:
Average throughput: 345.14 Mbit/s
95th percentile per-packet one-way delay: 118.934 ms
Loss rate: 9.52%
-- Flow 2:
Average throughput: 173.19 Mbit/s
95th percentile per-packet one-way delay: 126.205 ms
Loss rate: 16.06%
-- Flow 3:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 34.514 ms
Loss rate: 17.50%

Run 8: Report of FillP — Data Link

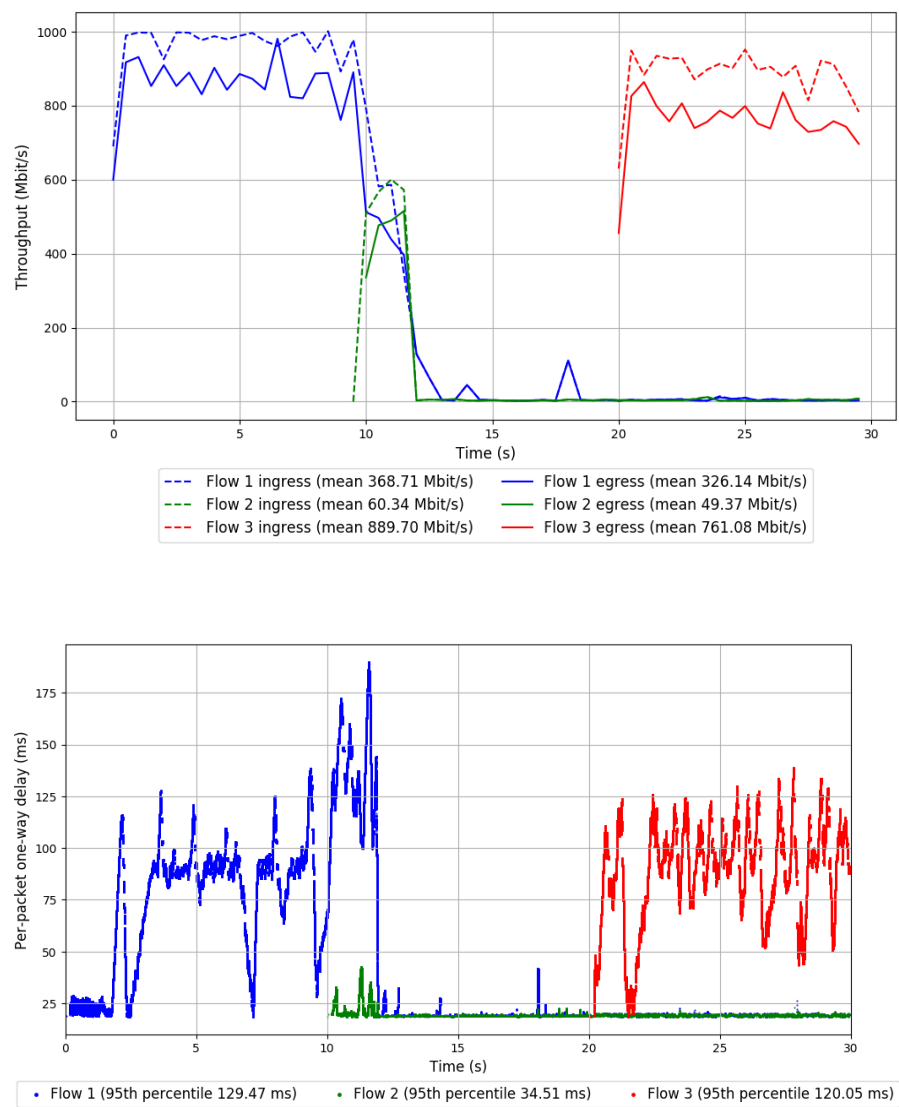


Run 9: Statistics of FillP

Start at: 2018-03-27 23:18:09
End at: 2018-03-27 23:18:40
Local clock offset: 2.88 ms
Remote clock offset: -6.402 ms

Below is generated by plot.py at 2018-03-28 04:04:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 611.32 Mbit/s
95th percentile per-packet one-way delay: 123.114 ms
Loss rate: 13.14%
-- Flow 1:
Average throughput: 326.14 Mbit/s
95th percentile per-packet one-way delay: 129.469 ms
Loss rate: 11.55%
-- Flow 2:
Average throughput: 49.37 Mbit/s
95th percentile per-packet one-way delay: 34.506 ms
Loss rate: 18.17%
-- Flow 3:
Average throughput: 761.08 Mbit/s
95th percentile per-packet one-way delay: 120.051 ms
Loss rate: 14.45%

Run 9: Report of FillP — Data Link

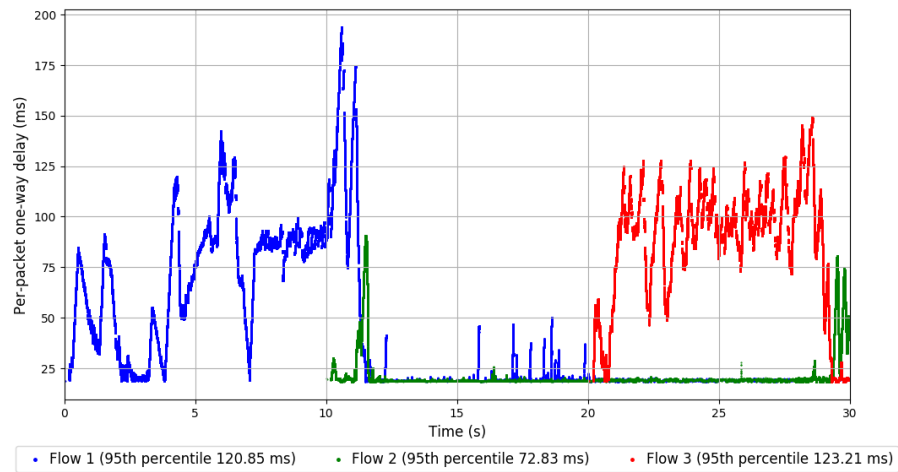
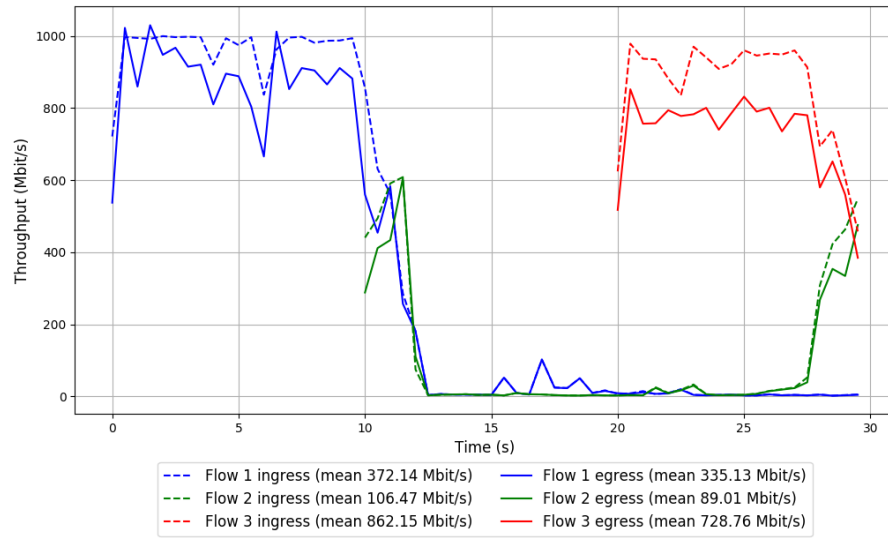


Run 10: Statistics of FillP

Start at: 2018-03-27 23:47:10
End at: 2018-03-27 23:47:40
Local clock offset: 2.89 ms
Remote clock offset: -5.675 ms

Below is generated by plot.py at 2018-03-28 04:07:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 635.84 Mbit/s
95th percentile per-packet one-way delay: 121.246 ms
Loss rate: 12.74%
-- Flow 1:
Average throughput: 335.13 Mbit/s
95th percentile per-packet one-way delay: 120.851 ms
Loss rate: 9.94%
-- Flow 2:
Average throughput: 89.01 Mbit/s
95th percentile per-packet one-way delay: 72.832 ms
Loss rate: 16.40%
-- Flow 3:
Average throughput: 728.76 Mbit/s
95th percentile per-packet one-way delay: 123.207 ms
Loss rate: 15.47%

Run 10: Report of FillP — Data Link

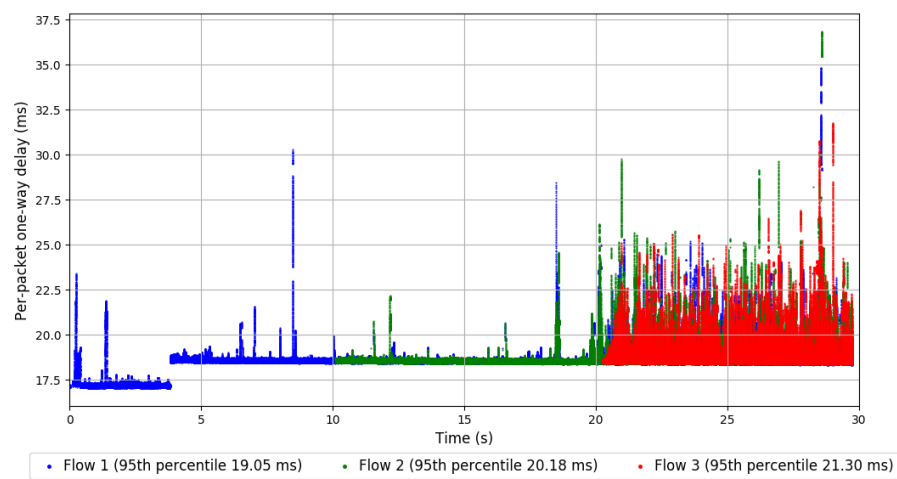
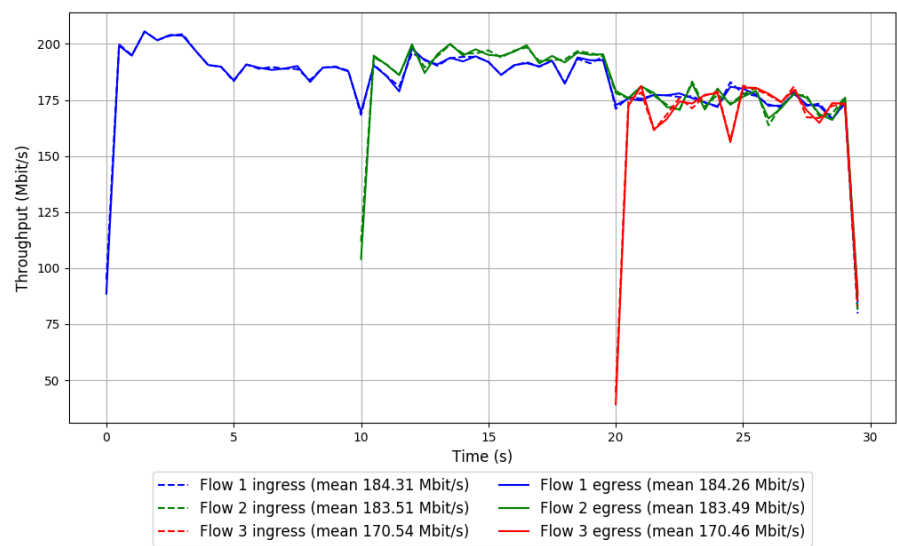


Run 1: Statistics of Indigo-1-32

Start at: 2018-03-27 19:10:12
End at: 2018-03-27 19:10:42
Local clock offset: 2.277 ms
Remote clock offset: -5.978 ms

Below is generated by plot.py at 2018-03-28 04:07:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 360.05 Mbit/s
95th percentile per-packet one-way delay: 19.943 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 184.26 Mbit/s
95th percentile per-packet one-way delay: 19.046 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 183.49 Mbit/s
95th percentile per-packet one-way delay: 20.183 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 170.46 Mbit/s
95th percentile per-packet one-way delay: 21.299 ms
Loss rate: 0.05%

Run 1: Report of Indigo-1-32 — Data Link

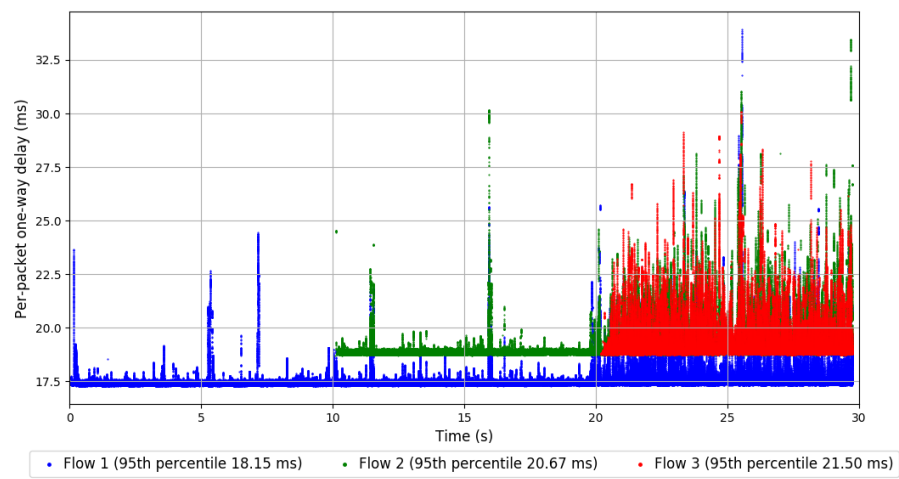
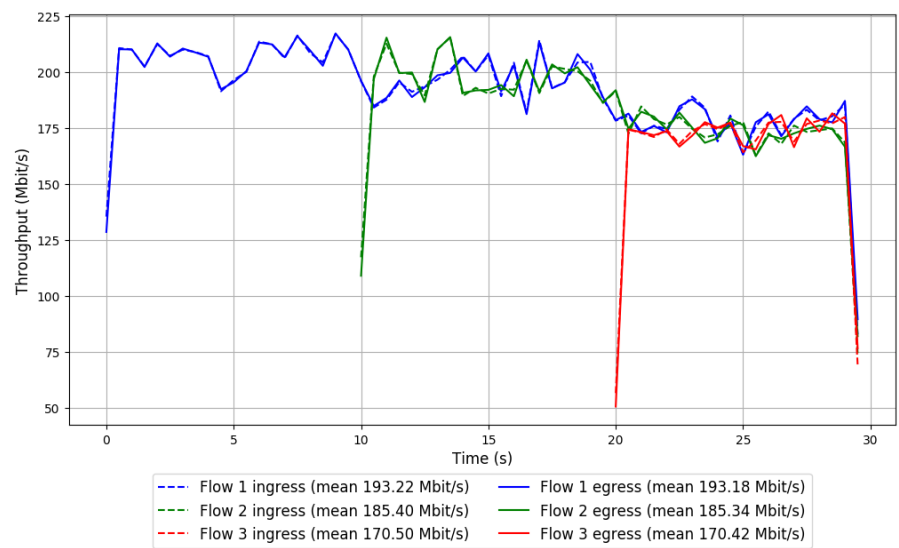


Run 2: Statistics of Indigo-1-32

Start at: 2018-03-27 19:38:55
End at: 2018-03-27 19:39:25
Local clock offset: -0.68 ms
Remote clock offset: -6.194 ms

Below is generated by plot.py at 2018-03-28 04:07:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 370.35 Mbit/s
95th percentile per-packet one-way delay: 20.110 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 193.18 Mbit/s
95th percentile per-packet one-way delay: 18.149 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 185.34 Mbit/s
95th percentile per-packet one-way delay: 20.669 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 170.42 Mbit/s
95th percentile per-packet one-way delay: 21.498 ms
Loss rate: 0.05%

Run 2: Report of Indigo-1-32 — Data Link

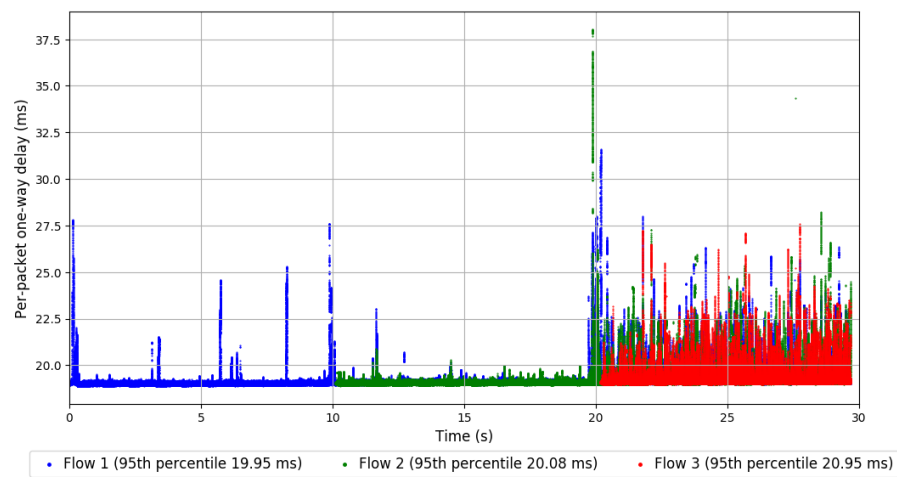
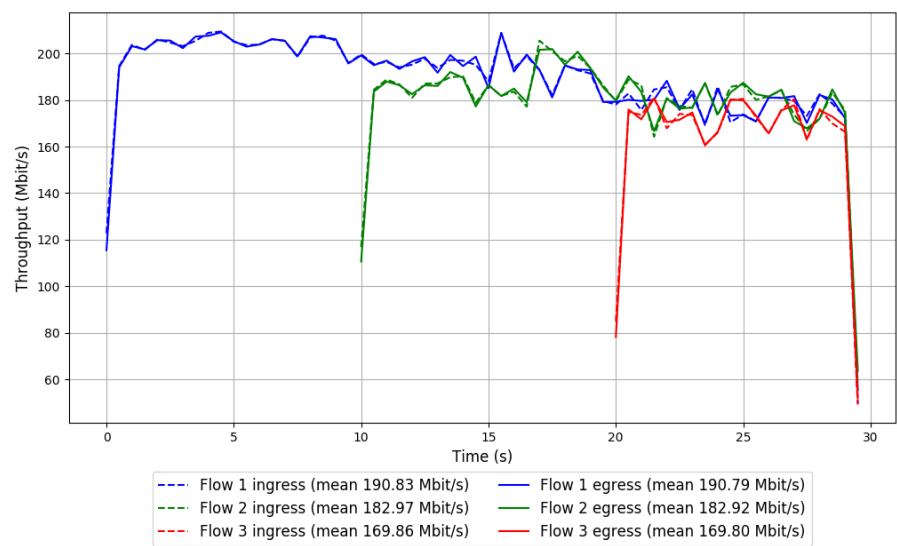


Run 3: Statistics of Indigo-1-32

Start at: 2018-03-27 20:07:40
End at: 2018-03-27 20:08:10
Local clock offset: -0.354 ms
Remote clock offset: -5.218 ms

Below is generated by plot.py at 2018-03-28 04:07:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 366.04 Mbit/s
95th percentile per-packet one-way delay: 20.219 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 190.79 Mbit/s
95th percentile per-packet one-way delay: 19.951 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 182.92 Mbit/s
95th percentile per-packet one-way delay: 20.082 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 169.80 Mbit/s
95th percentile per-packet one-way delay: 20.950 ms
Loss rate: 0.04%

Run 3: Report of Indigo-1-32 — Data Link

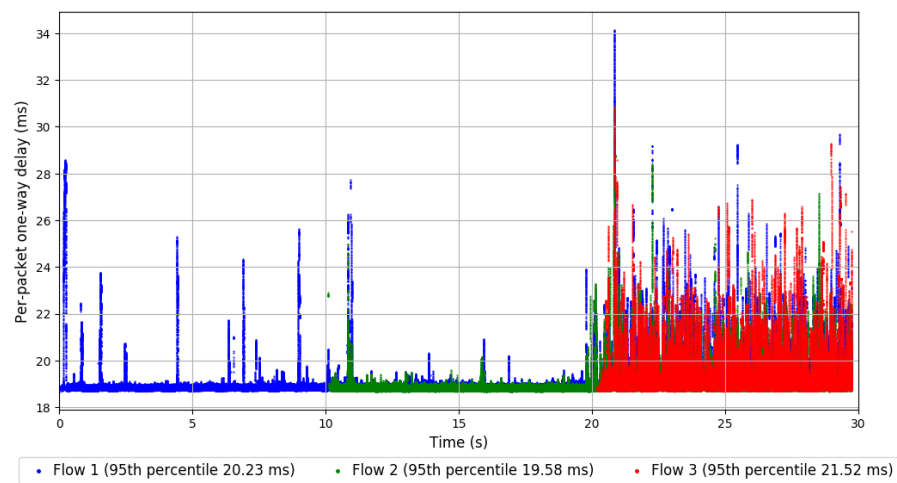
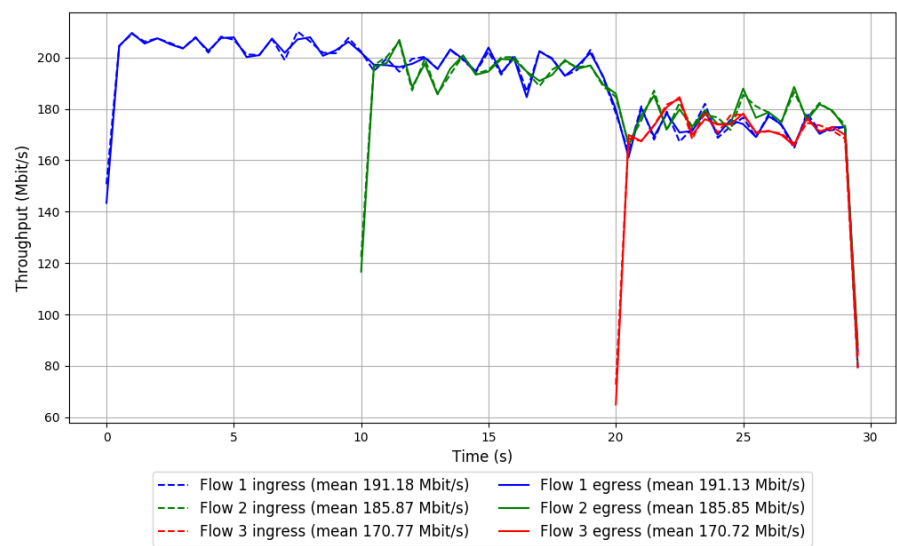


Run 4: Statistics of Indigo-1-32

Start at: 2018-03-27 20:36:08
End at: 2018-03-27 20:36:38
Local clock offset: 2.508 ms
Remote clock offset: -5.408 ms

Below is generated by plot.py at 2018-03-28 04:07:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 368.87 Mbit/s
95th percentile per-packet one-way delay: 20.358 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 191.13 Mbit/s
95th percentile per-packet one-way delay: 20.233 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 185.85 Mbit/s
95th percentile per-packet one-way delay: 19.577 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 170.72 Mbit/s
95th percentile per-packet one-way delay: 21.518 ms
Loss rate: 0.04%

Run 4: Report of Indigo-1-32 — Data Link

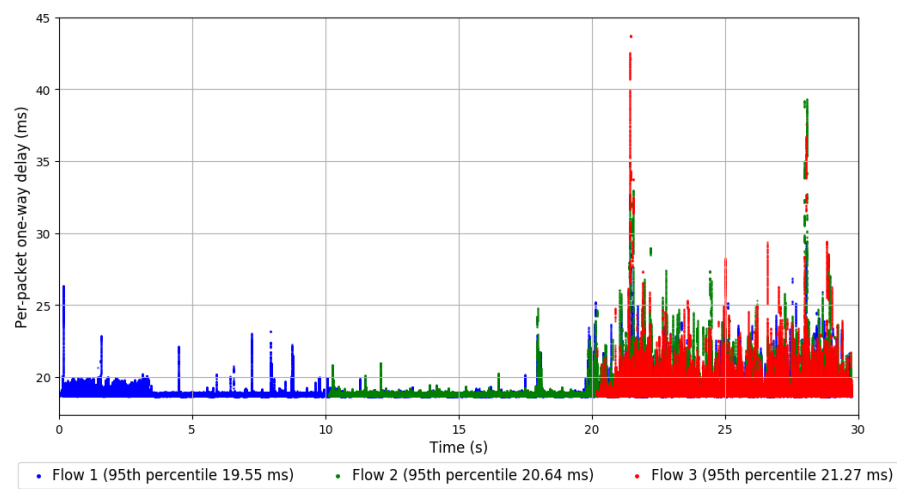
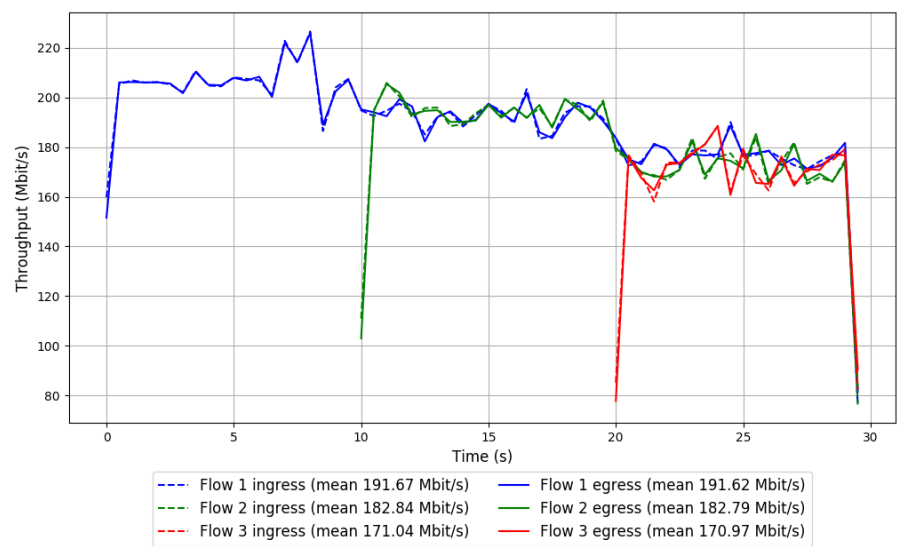


Run 5: Statistics of Indigo-1-32

Start at: 2018-03-27 21:04:51
End at: 2018-03-27 21:05:21
Local clock offset: 0.518 ms
Remote clock offset: -5.162 ms

Below is generated by plot.py at 2018-03-28 04:07:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 367.33 Mbit/s
95th percentile per-packet one-way delay: 20.276 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 191.62 Mbit/s
95th percentile per-packet one-way delay: 19.555 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 182.79 Mbit/s
95th percentile per-packet one-way delay: 20.639 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 170.97 Mbit/s
95th percentile per-packet one-way delay: 21.269 ms
Loss rate: 0.04%

Run 5: Report of Indigo-1-32 — Data Link

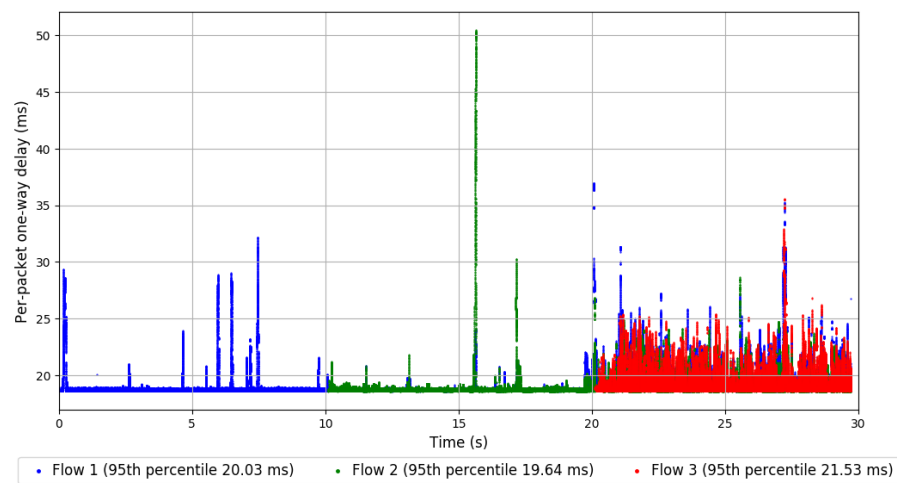
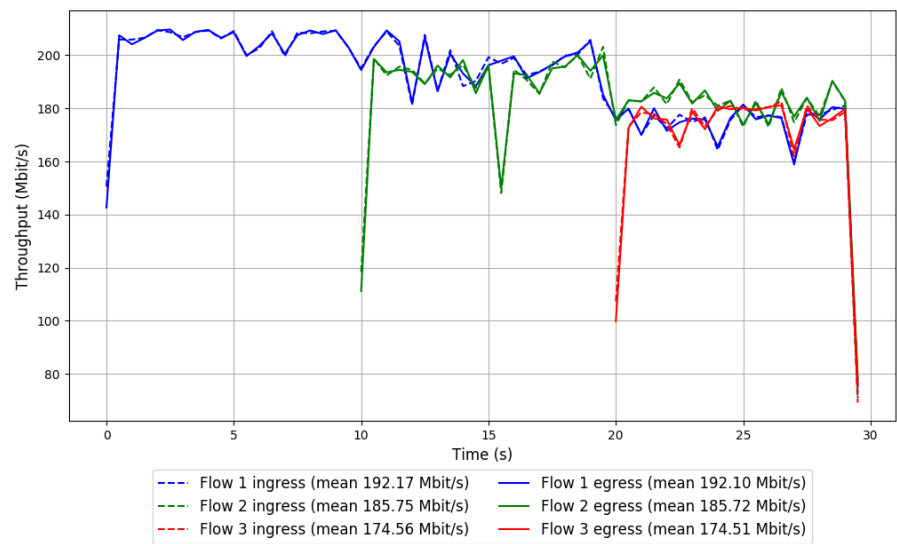


Run 6: Statistics of Indigo-1-32

Start at: 2018-03-27 21:33:41
End at: 2018-03-27 21:34:11
Local clock offset: -1.577 ms
Remote clock offset: -4.621 ms

Below is generated by plot.py at 2018-03-28 04:09:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.25 Mbit/s
95th percentile per-packet one-way delay: 20.234 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 192.10 Mbit/s
95th percentile per-packet one-way delay: 20.030 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 185.72 Mbit/s
95th percentile per-packet one-way delay: 19.642 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 174.51 Mbit/s
95th percentile per-packet one-way delay: 21.528 ms
Loss rate: 0.03%

Run 6: Report of Indigo-1-32 — Data Link

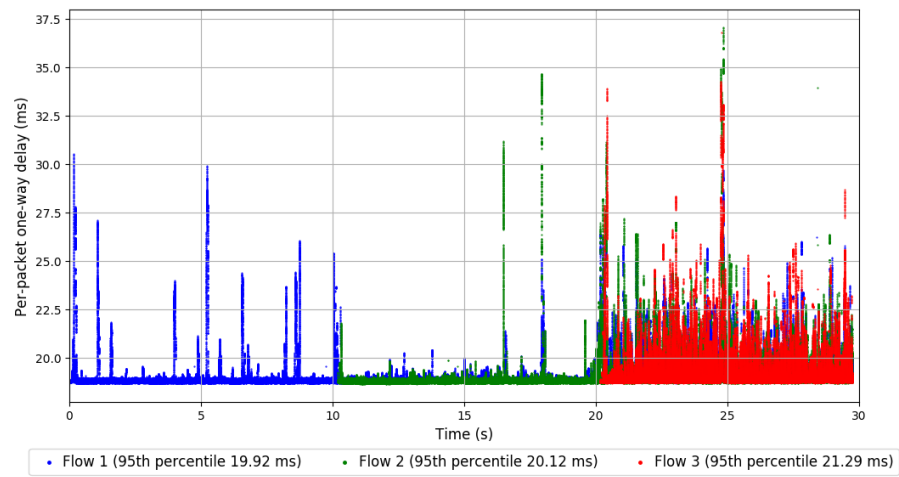
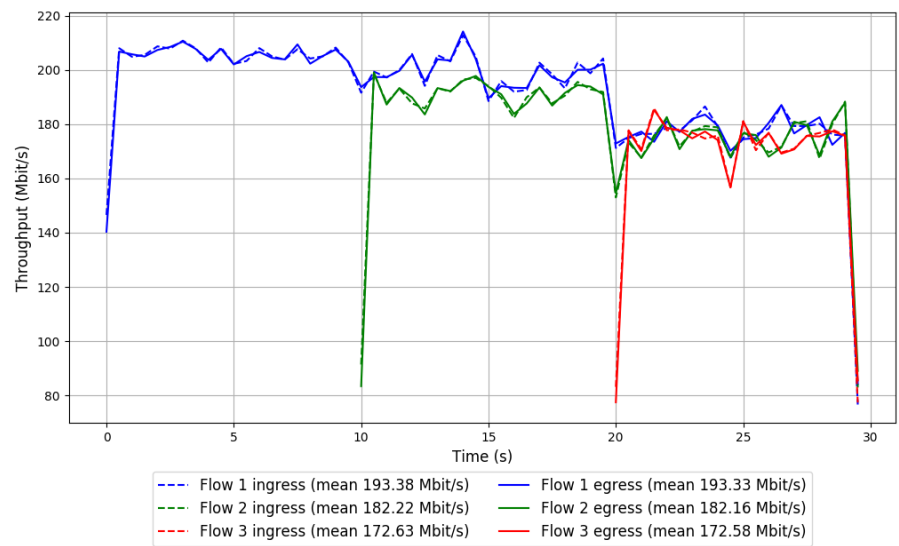


Run 7: Statistics of Indigo-1-32

Start at: 2018-03-27 22:02:38
End at: 2018-03-27 22:03:08
Local clock offset: 0.501 ms
Remote clock offset: -4.193 ms

Below is generated by plot.py at 2018-03-28 04:09:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 368.86 Mbit/s
95th percentile per-packet one-way delay: 20.292 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 193.33 Mbit/s
95th percentile per-packet one-way delay: 19.922 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 182.16 Mbit/s
95th percentile per-packet one-way delay: 20.123 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 172.58 Mbit/s
95th percentile per-packet one-way delay: 21.291 ms
Loss rate: 0.03%

Run 7: Report of Indigo-1-32 — Data Link

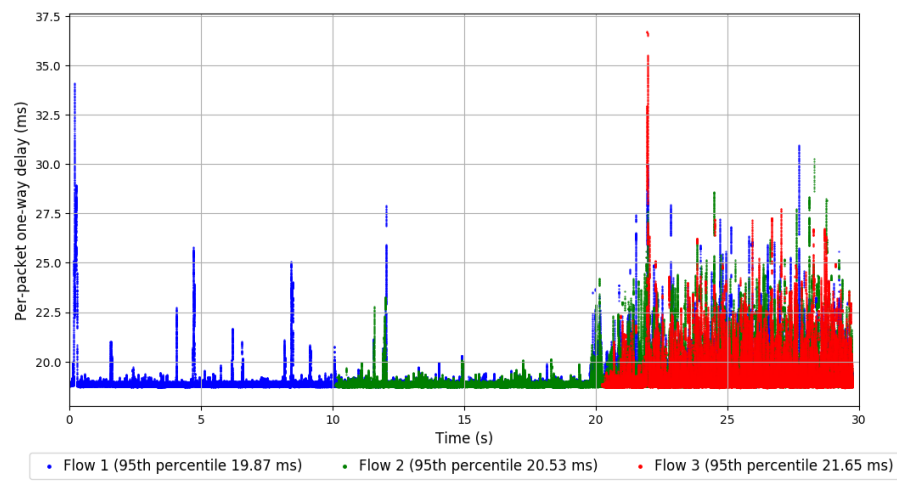
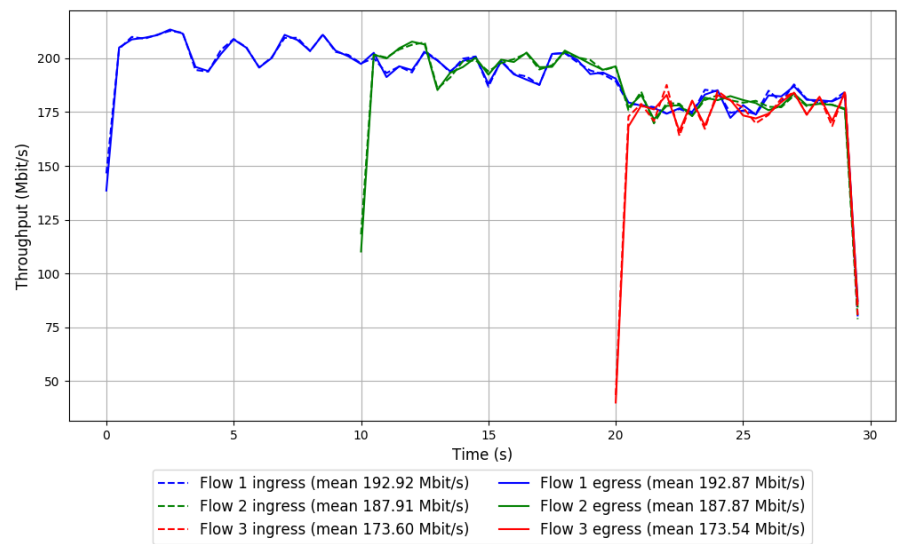


Run 8: Statistics of Indigo-1-32

Start at: 2018-03-27 22:31:25
End at: 2018-03-27 22:31:55
Local clock offset: 0.961 ms
Remote clock offset: -6.516 ms

Below is generated by plot.py at 2018-03-28 04:10:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 372.60 Mbit/s
95th percentile per-packet one-way delay: 20.457 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 192.87 Mbit/s
95th percentile per-packet one-way delay: 19.868 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 187.87 Mbit/s
95th percentile per-packet one-way delay: 20.527 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 173.54 Mbit/s
95th percentile per-packet one-way delay: 21.650 ms
Loss rate: 0.03%

Run 8: Report of Indigo-1-32 — Data Link

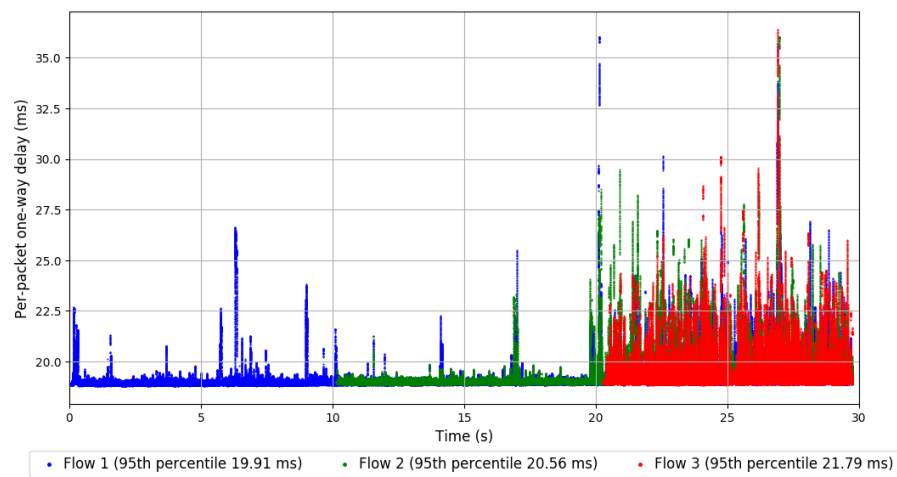
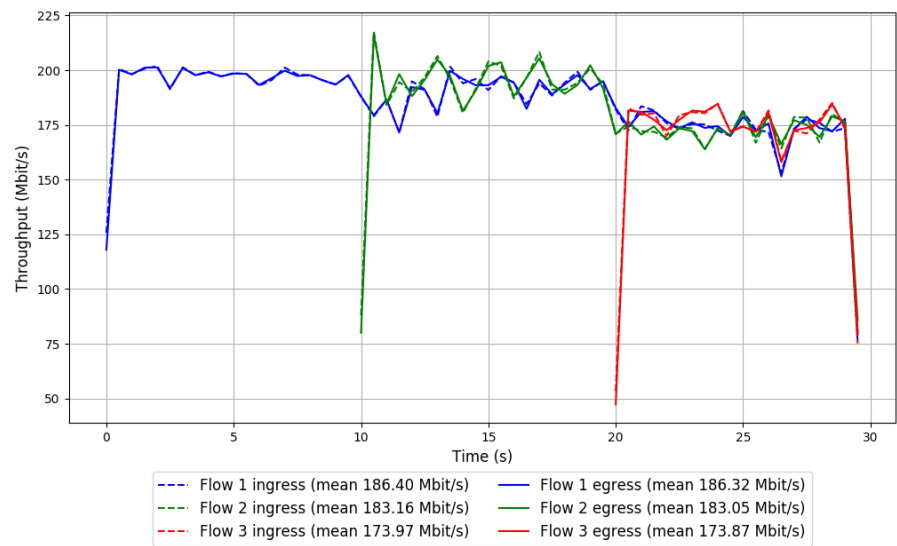


Run 9: Statistics of Indigo-1-32

Start at: 2018-03-27 23:00:10
End at: 2018-03-27 23:00:40
Local clock offset: 1.243 ms
Remote clock offset: -6.703 ms

Below is generated by plot.py at 2018-03-28 04:10:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 362.52 Mbit/s
95th percentile per-packet one-way delay: 20.557 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 186.32 Mbit/s
95th percentile per-packet one-way delay: 19.905 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 183.05 Mbit/s
95th percentile per-packet one-way delay: 20.560 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 173.87 Mbit/s
95th percentile per-packet one-way delay: 21.786 ms
Loss rate: 0.06%

Run 9: Report of Indigo-1-32 — Data Link

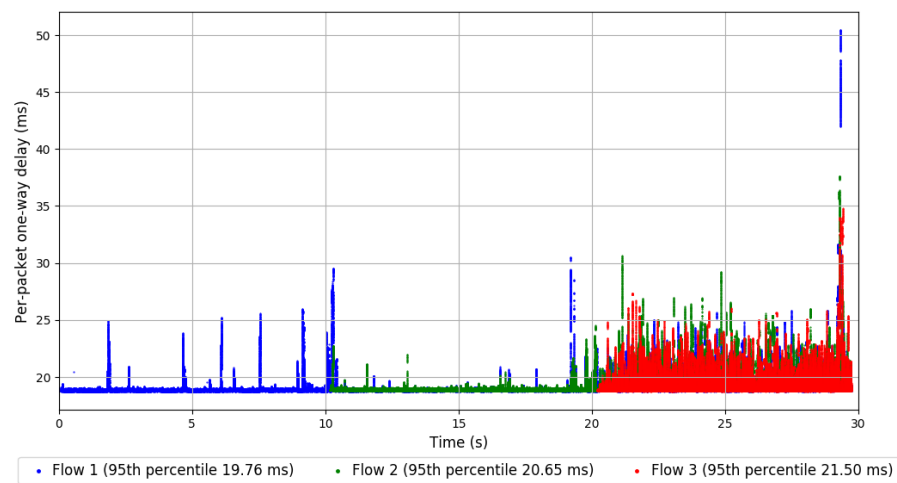
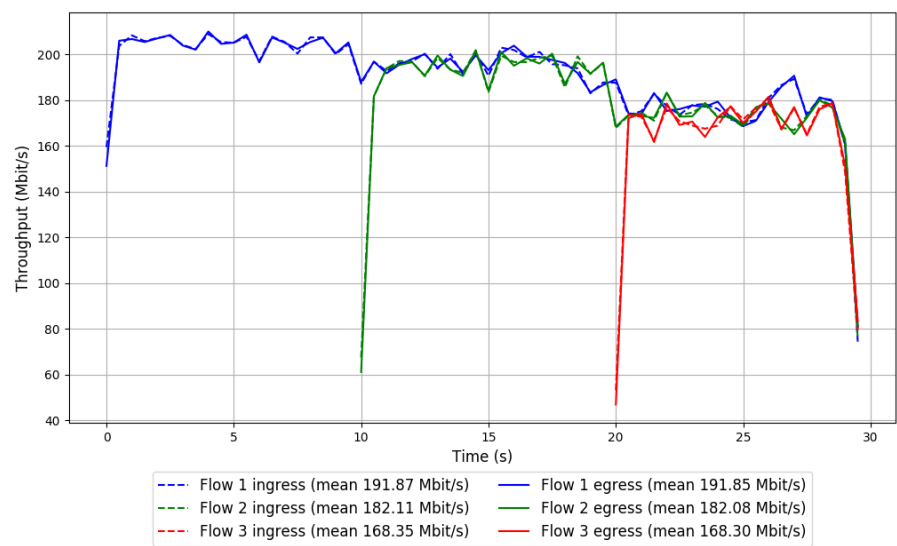


Run 10: Statistics of Indigo-1-32

Start at: 2018-03-27 23:29:07
End at: 2018-03-27 23:29:37
Local clock offset: 3.281 ms
Remote clock offset: -6.126 ms

Below is generated by plot.py at 2018-03-28 04:10:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 365.77 Mbit/s
95th percentile per-packet one-way delay: 20.479 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 191.85 Mbit/s
95th percentile per-packet one-way delay: 19.758 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 182.08 Mbit/s
95th percentile per-packet one-way delay: 20.646 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 168.30 Mbit/s
95th percentile per-packet one-way delay: 21.497 ms
Loss rate: 0.03%

Run 10: Report of Indigo-1-32 — Data Link

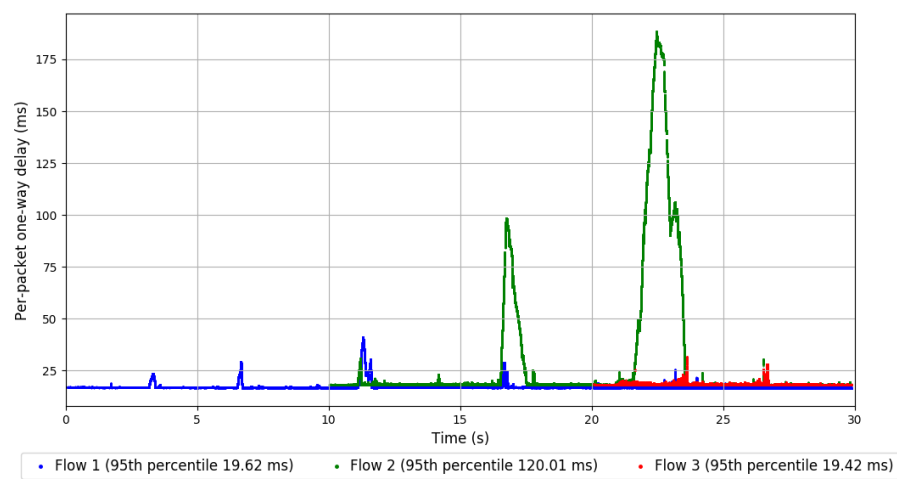
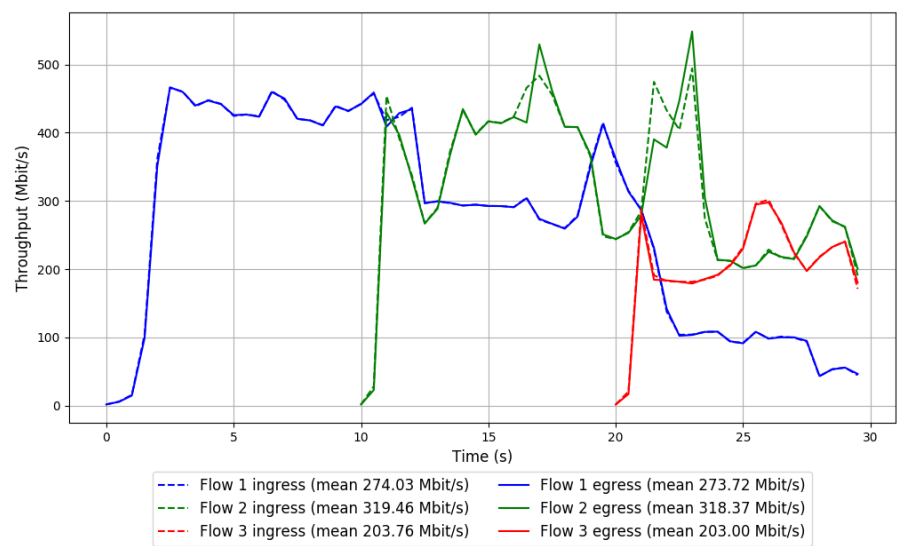


Run 1: Statistics of Vivace-latency

Start at: 2018-03-27 19:06:54
End at: 2018-03-27 19:07:24
Local clock offset: 3.768 ms
Remote clock offset: -5.989 ms

Below is generated by plot.py at 2018-03-28 04:13:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 552.24 Mbit/s
95th percentile per-packet one-way delay: 67.858 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 273.72 Mbit/s
95th percentile per-packet one-way delay: 19.620 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 318.37 Mbit/s
95th percentile per-packet one-way delay: 120.010 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 203.00 Mbit/s
95th percentile per-packet one-way delay: 19.424 ms
Loss rate: 0.38%

Run 1: Report of Vivace-latency — Data Link

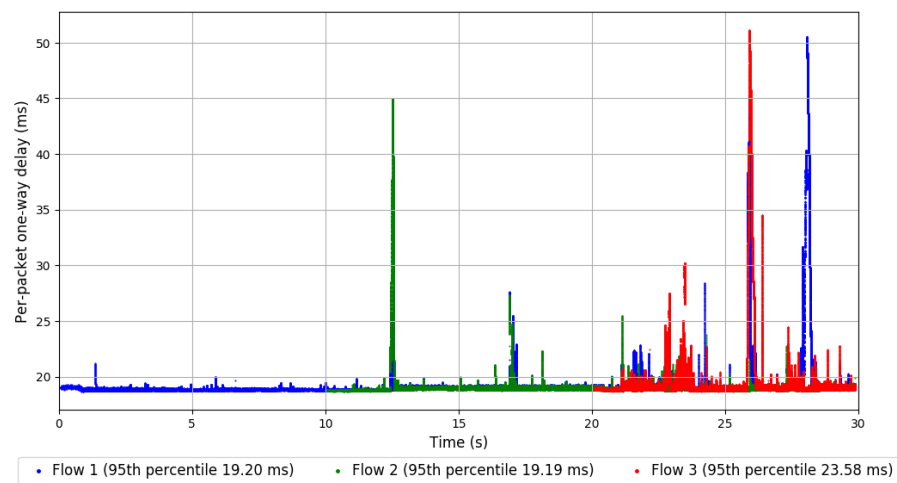
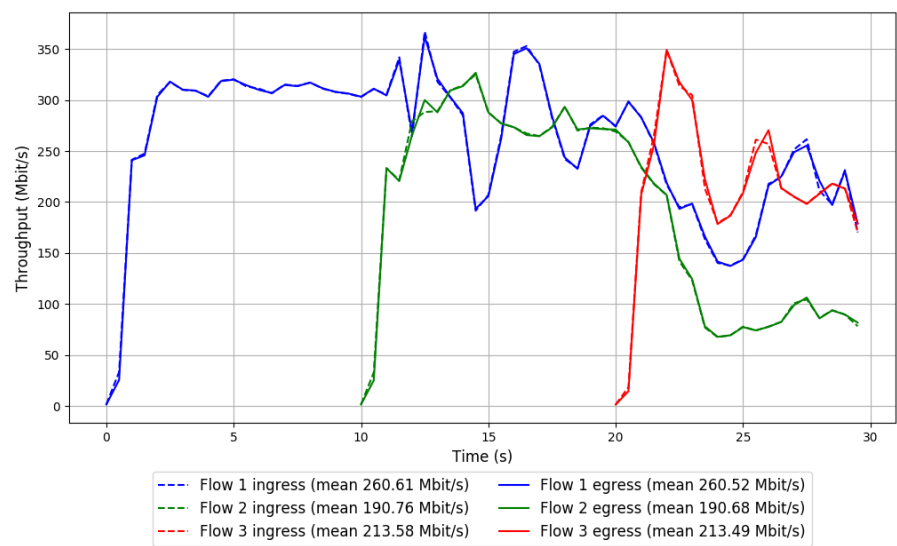


Run 2: Statistics of Vivace-latency

Start at: 2018-03-27 19:35:44
End at: 2018-03-27 19:36:14
Local clock offset: -0.833 ms
Remote clock offset: -6.085 ms

Below is generated by plot.py at 2018-03-28 04:13:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 457.54 Mbit/s
95th percentile per-packet one-way delay: 19.470 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 260.52 Mbit/s
95th percentile per-packet one-way delay: 19.201 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 190.68 Mbit/s
95th percentile per-packet one-way delay: 19.187 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 213.49 Mbit/s
95th percentile per-packet one-way delay: 23.581 ms
Loss rate: 0.04%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-03-27 20:04:21

End at: 2018-03-27 20:04:51

Local clock offset: -0.451 ms

Remote clock offset: -5.33 ms

Below is generated by plot.py at 2018-03-28 04:15:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 531.08 Mbit/s

95th percentile per-packet one-way delay: 19.801 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 334.21 Mbit/s

95th percentile per-packet one-way delay: 20.708 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 231.11 Mbit/s

95th percentile per-packet one-way delay: 19.349 ms

Loss rate: 0.22%

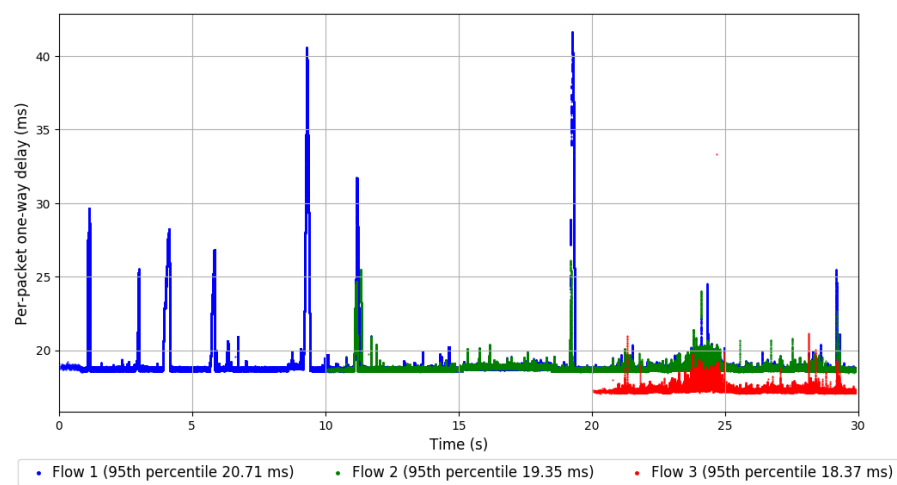
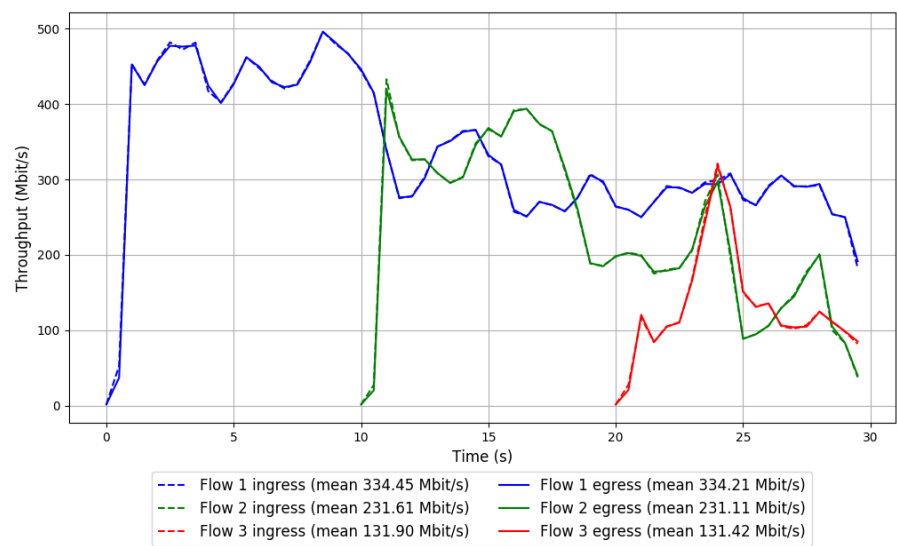
-- Flow 3:

Average throughput: 131.42 Mbit/s

95th percentile per-packet one-way delay: 18.367 ms

Loss rate: 0.37%

Run 3: Report of Vivace-latency — Data Link

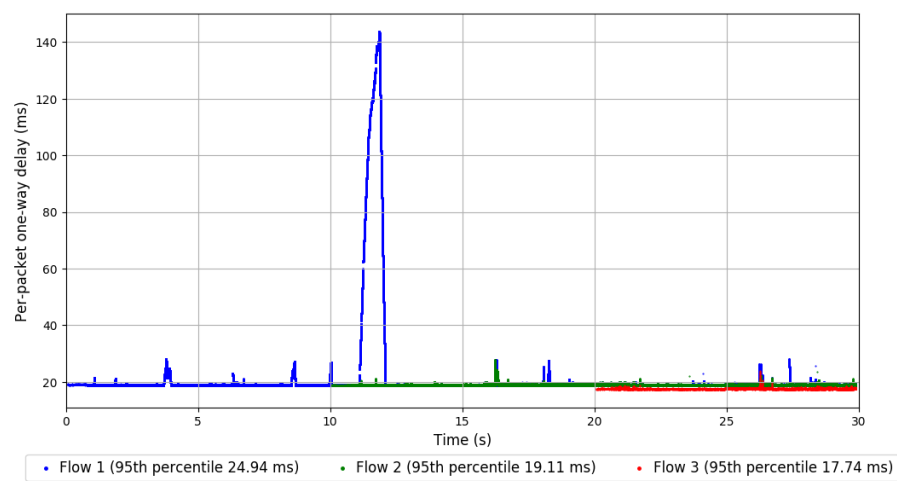
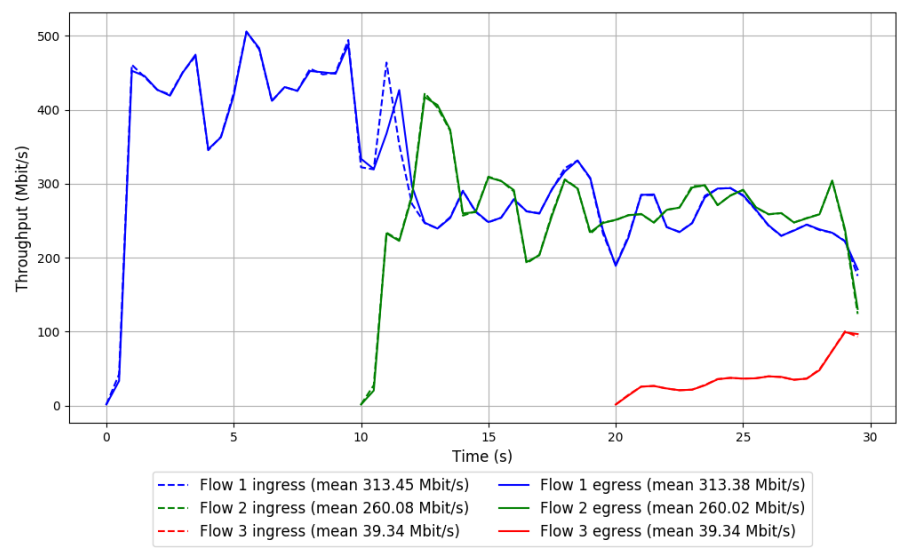


Run 4: Statistics of Vivace-latency

Start at: 2018-03-27 20:32:53
End at: 2018-03-27 20:33:23
Local clock offset: 2.342 ms
Remote clock offset: -5.359 ms

Below is generated by plot.py at 2018-03-28 04:16:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 499.16 Mbit/s
95th percentile per-packet one-way delay: 20.488 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 313.38 Mbit/s
95th percentile per-packet one-way delay: 24.936 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 260.02 Mbit/s
95th percentile per-packet one-way delay: 19.115 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 39.34 Mbit/s
95th percentile per-packet one-way delay: 17.742 ms
Loss rate: 0.02%

Run 4: Report of Vivace-latency — Data Link

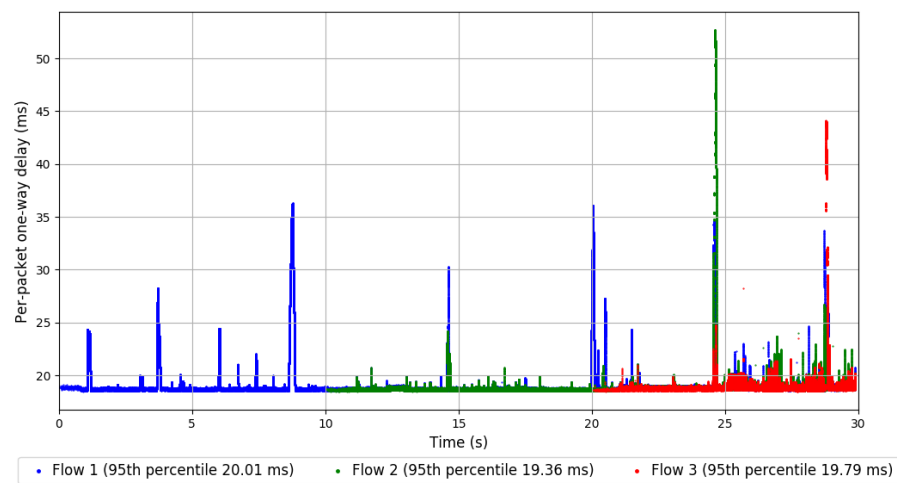
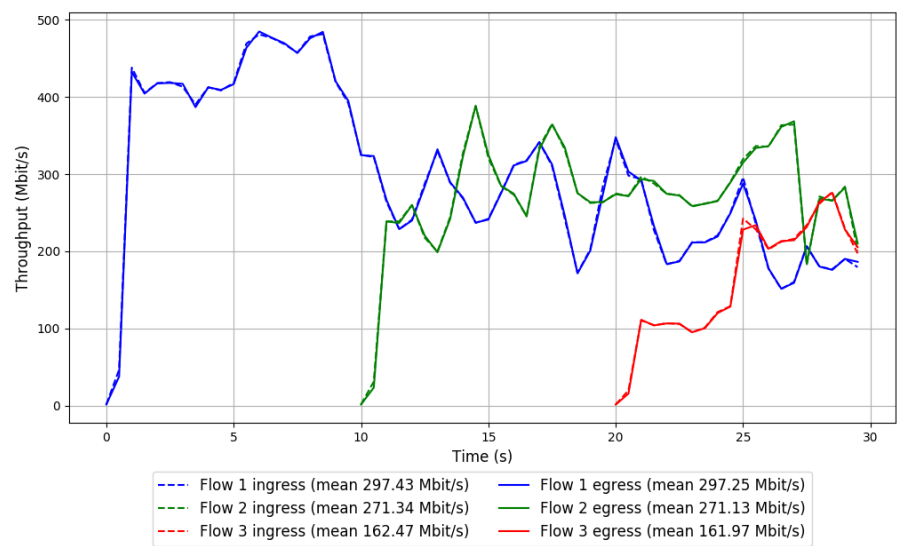


Run 5: Statistics of Vivace-latency

Start at: 2018-03-27 21:01:34
End at: 2018-03-27 21:02:04
Local clock offset: 0.687 ms
Remote clock offset: -5.255 ms

Below is generated by plot.py at 2018-03-28 04:18:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 530.87 Mbit/s
95th percentile per-packet one-way delay: 19.731 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 297.25 Mbit/s
95th percentile per-packet one-way delay: 20.012 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 271.13 Mbit/s
95th percentile per-packet one-way delay: 19.364 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 161.97 Mbit/s
95th percentile per-packet one-way delay: 19.794 ms
Loss rate: 0.30%

Run 5: Report of Vivace-latency — Data Link

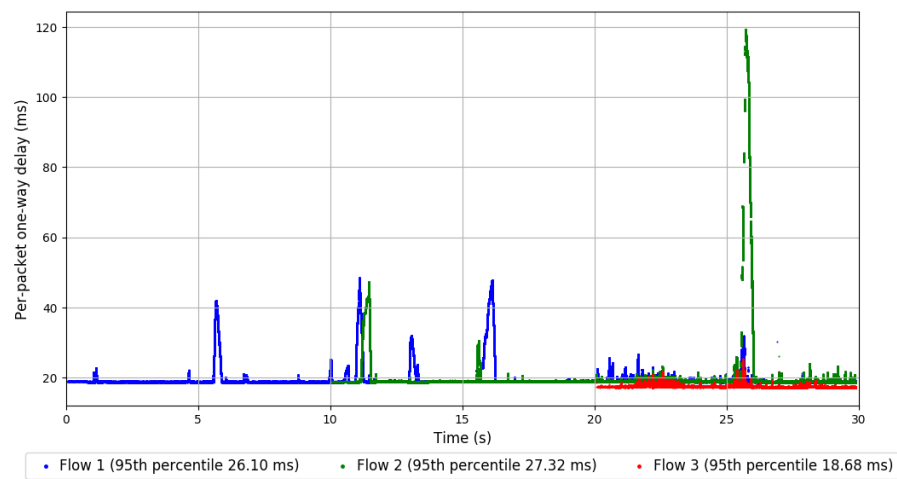
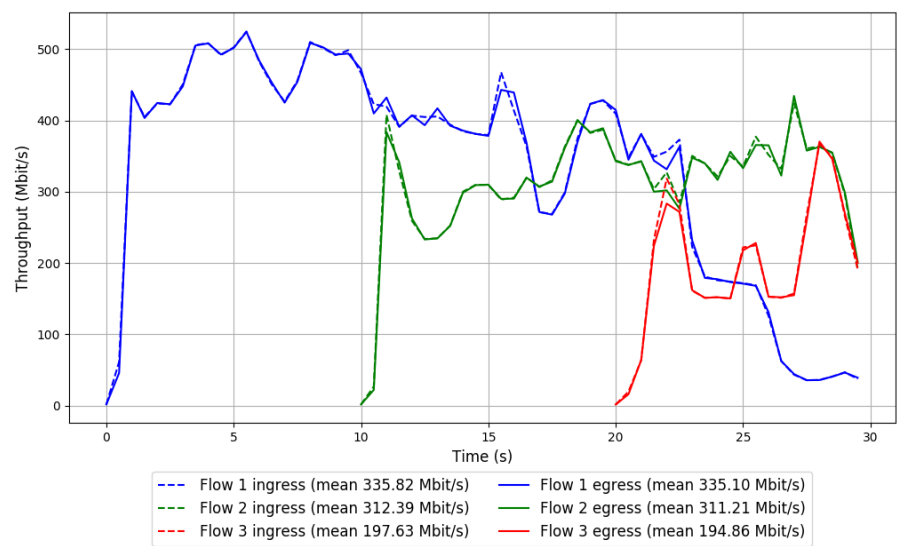


Run 6: Statistics of Vivace-latency

Start at: 2018-03-27 21:30:23
End at: 2018-03-27 21:30:53
Local clock offset: -1.44 ms
Remote clock offset: -4.781 ms

Below is generated by plot.py at 2018-03-28 04:19:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 606.07 Mbit/s
95th percentile per-packet one-way delay: 24.189 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 335.10 Mbit/s
95th percentile per-packet one-way delay: 26.102 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 311.21 Mbit/s
95th percentile per-packet one-way delay: 27.322 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 194.86 Mbit/s
95th percentile per-packet one-way delay: 18.679 ms
Loss rate: 1.40%

Run 6: Report of Vivace-latency — Data Link

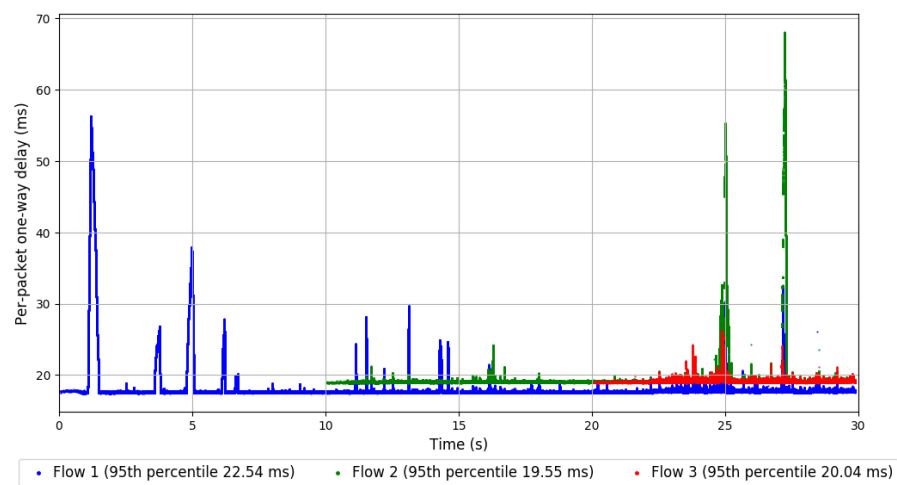
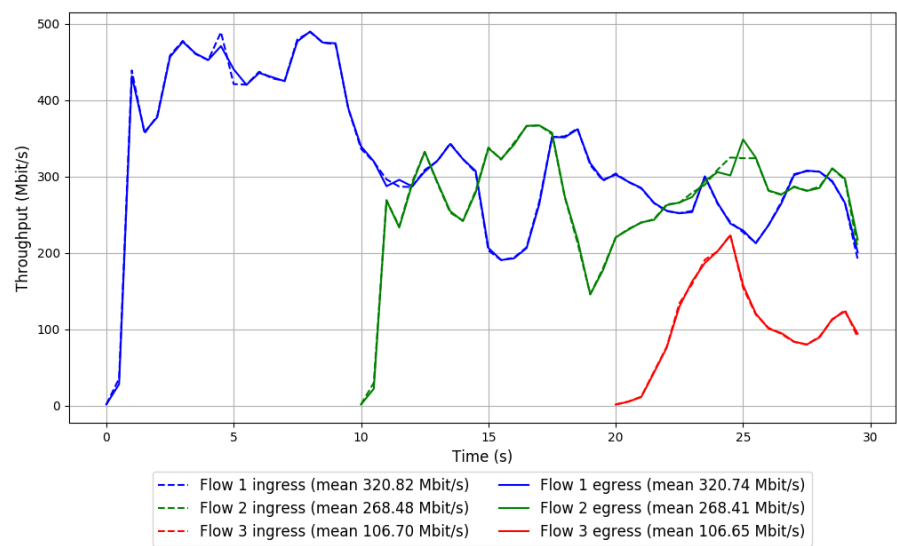


Run 7: Statistics of Vivace-latency

Start at: 2018-03-27 21:59:22
End at: 2018-03-27 21:59:52
Local clock offset: 0.007 ms
Remote clock offset: -4.133 ms

Below is generated by plot.py at 2018-03-28 04:19:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 534.29 Mbit/s
95th percentile per-packet one-way delay: 20.252 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 320.74 Mbit/s
95th percentile per-packet one-way delay: 22.544 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 268.41 Mbit/s
95th percentile per-packet one-way delay: 19.549 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 106.65 Mbit/s
95th percentile per-packet one-way delay: 20.042 ms
Loss rate: 0.05%

Run 7: Report of Vivace-latency — Data Link

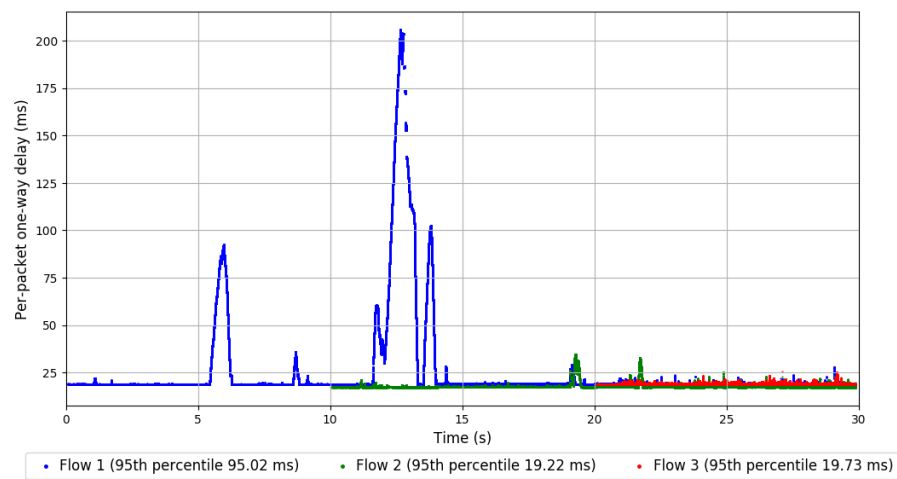
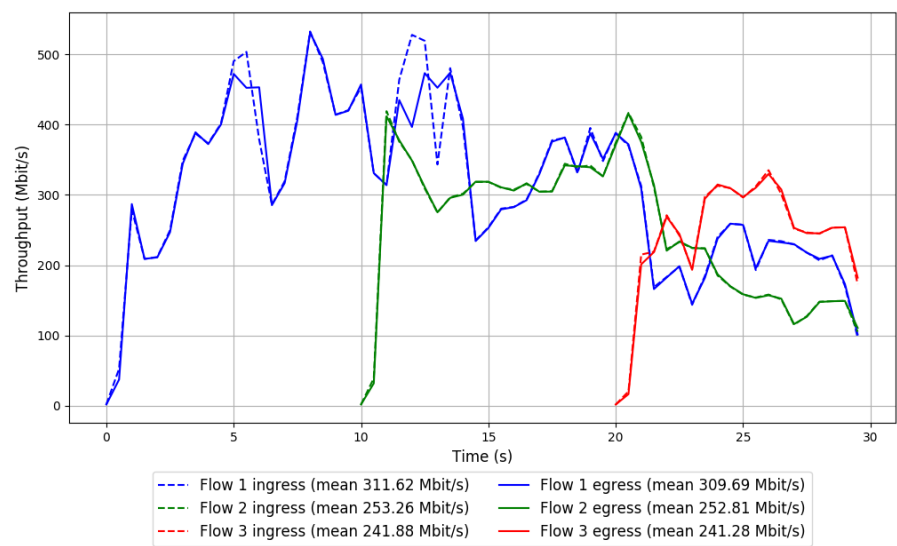


Run 8: Statistics of Vivace-latency

Start at: 2018-03-27 22:28:08
End at: 2018-03-27 22:28:38
Local clock offset: 1.234 ms
Remote clock offset: -6.408 ms

```
# Below is generated by plot.py at 2018-03-28 04:19:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 557.21 Mbit/s
95th percentile per-packet one-way delay: 60.365 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 309.69 Mbit/s
95th percentile per-packet one-way delay: 95.015 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 252.81 Mbit/s
95th percentile per-packet one-way delay: 19.219 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 241.28 Mbit/s
95th percentile per-packet one-way delay: 19.727 ms
Loss rate: 0.25%
```

Run 8: Report of Vivace-latency — Data Link

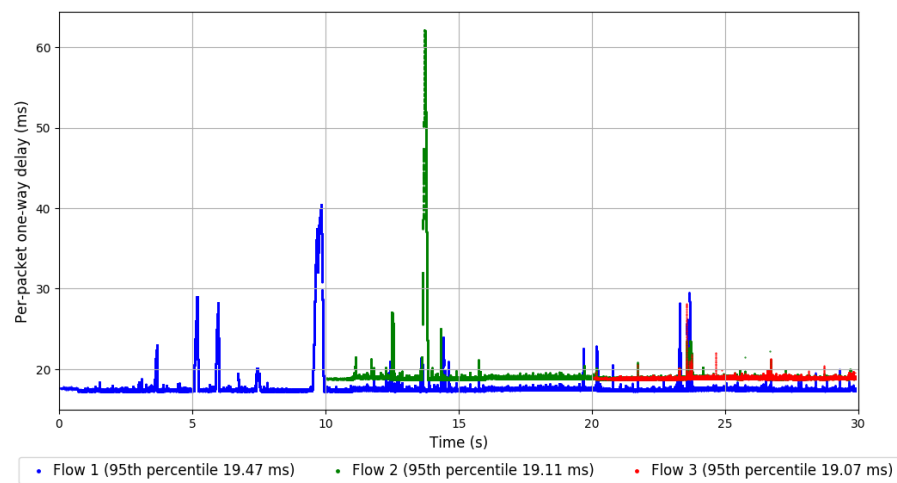
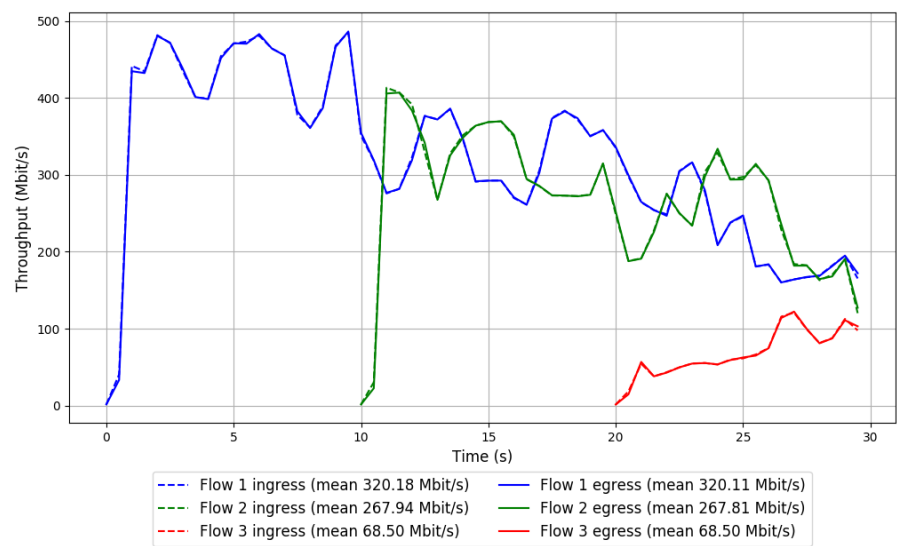


Run 9: Statistics of Vivace-latency

Start at: 2018-03-27 22:56:53
End at: 2018-03-27 22:57:23
Local clock offset: 0.901 ms
Remote clock offset: -6.601 ms

Below is generated by plot.py at 2018-03-28 04:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 520.70 Mbit/s
95th percentile per-packet one-way delay: 19.140 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 320.11 Mbit/s
95th percentile per-packet one-way delay: 19.474 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 267.81 Mbit/s
95th percentile per-packet one-way delay: 19.111 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 68.50 Mbit/s
95th percentile per-packet one-way delay: 19.066 ms
Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link

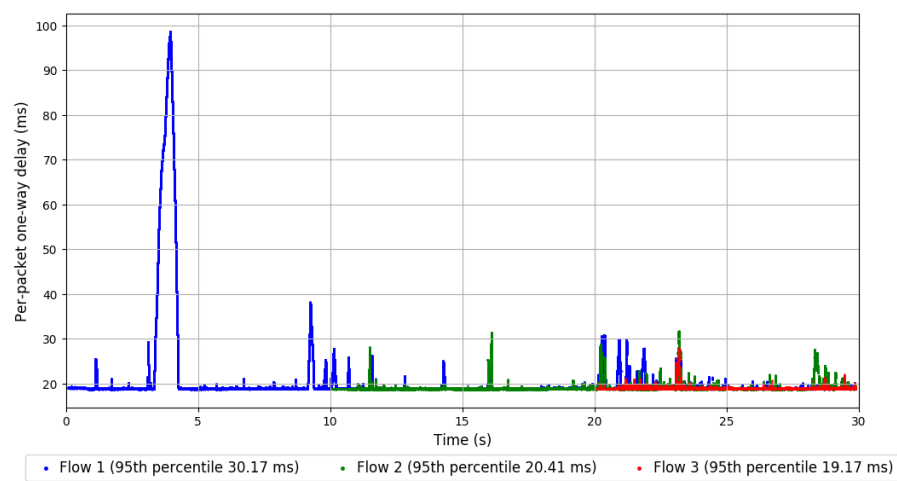
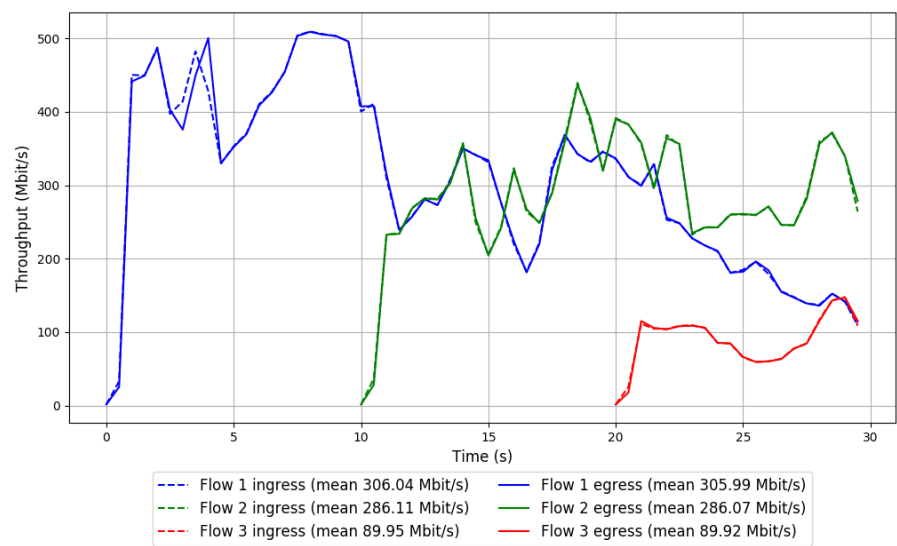


Run 10: Statistics of Vivace-latency

Start at: 2018-03-27 23:25:43
End at: 2018-03-27 23:26:13
Local clock offset: 3.106 ms
Remote clock offset: -6.202 ms

Below is generated by plot.py at 2018-03-28 04:21:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 525.82 Mbit/s
95th percentile per-packet one-way delay: 24.766 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 305.99 Mbit/s
95th percentile per-packet one-way delay: 30.167 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 286.07 Mbit/s
95th percentile per-packet one-way delay: 20.415 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 89.92 Mbit/s
95th percentile per-packet one-way delay: 19.171 ms
Loss rate: 0.03%

Run 10: Report of Vivace-latency — Data Link

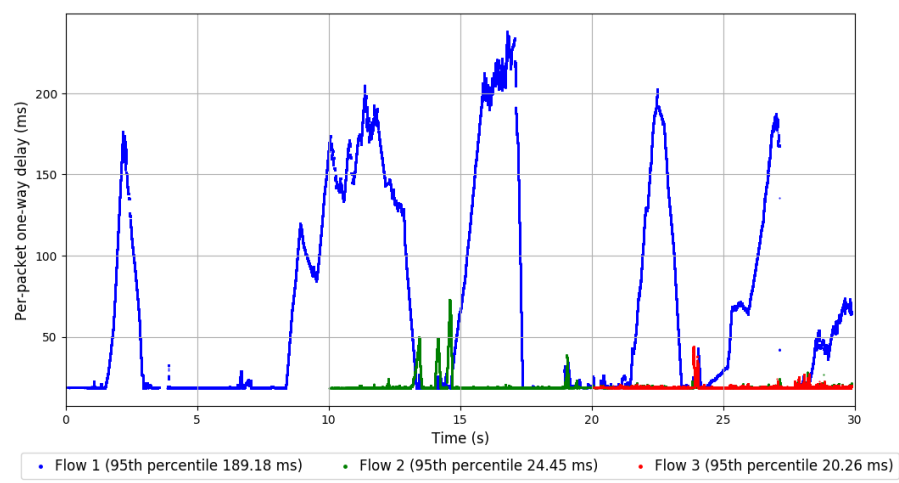
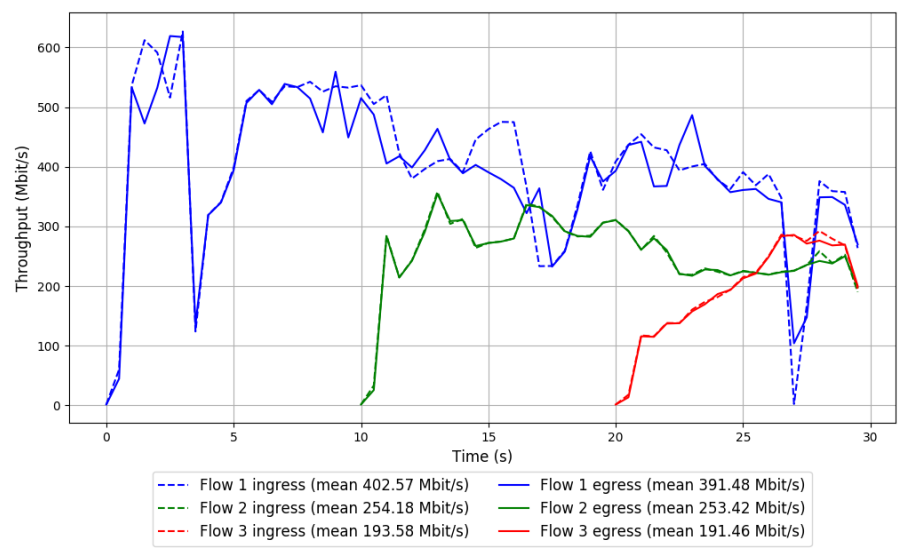


Run 1: Statistics of Vivace-loss

Start at: 2018-03-27 19:26:16
End at: 2018-03-27 19:26:46
Local clock offset: -0.715 ms
Remote clock offset: -6.088 ms

Below is generated by plot.py at 2018-03-28 04:25:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 623.00 Mbit/s
95th percentile per-packet one-way delay: 179.019 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 391.48 Mbit/s
95th percentile per-packet one-way delay: 189.183 ms
Loss rate: 2.75%
-- Flow 2:
Average throughput: 253.42 Mbit/s
95th percentile per-packet one-way delay: 24.452 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 191.46 Mbit/s
95th percentile per-packet one-way delay: 20.260 ms
Loss rate: 1.09%

Run 1: Report of Vivace-loss — Data Link

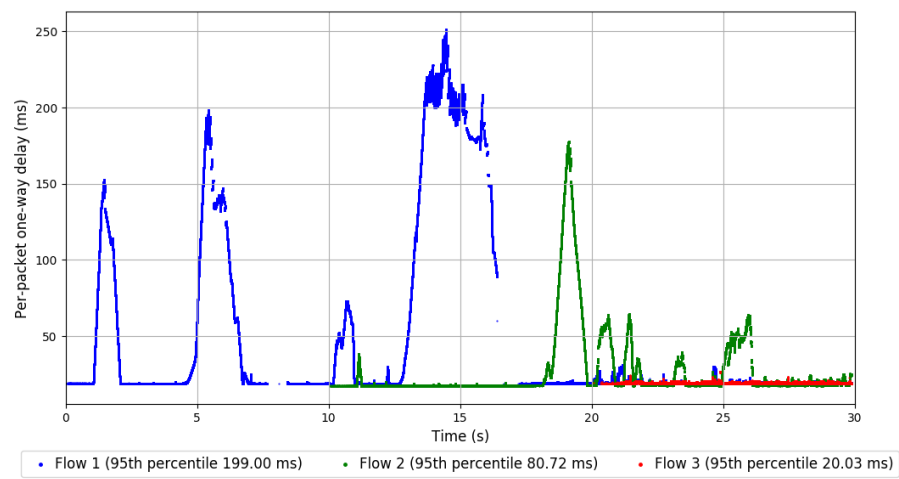
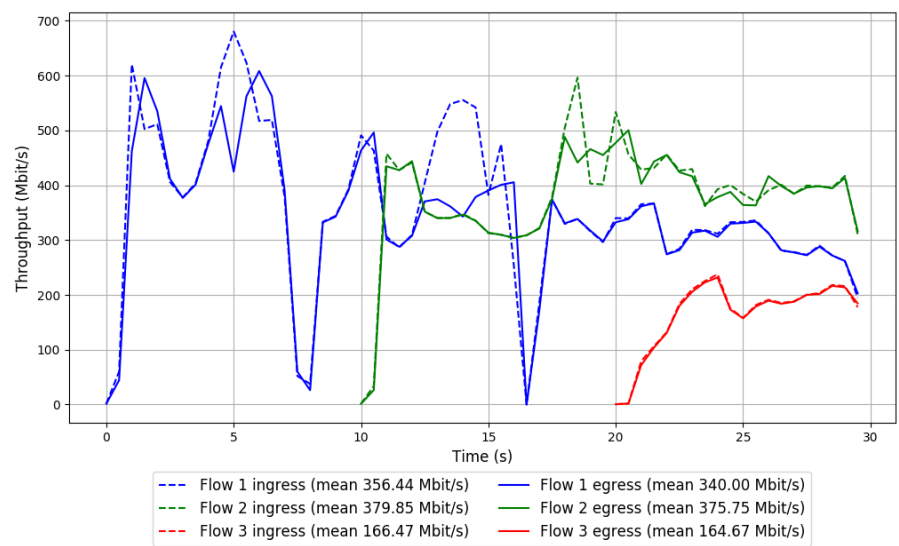


Run 2: Statistics of Vivace-loss

Start at: 2018-03-27 19:55:00
End at: 2018-03-27 19:55:30
Local clock offset: -0.362 ms
Remote clock offset: -5.597 ms

Below is generated by plot.py at 2018-03-28 04:26:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 644.00 Mbit/s
95th percentile per-packet one-way delay: 177.316 ms
Loss rate: 2.97%
-- Flow 1:
Average throughput: 340.00 Mbit/s
95th percentile per-packet one-way delay: 199.004 ms
Loss rate: 4.61%
-- Flow 2:
Average throughput: 375.75 Mbit/s
95th percentile per-packet one-way delay: 80.721 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 164.67 Mbit/s
95th percentile per-packet one-way delay: 20.031 ms
Loss rate: 1.08%

Run 2: Report of Vivace-loss — Data Link

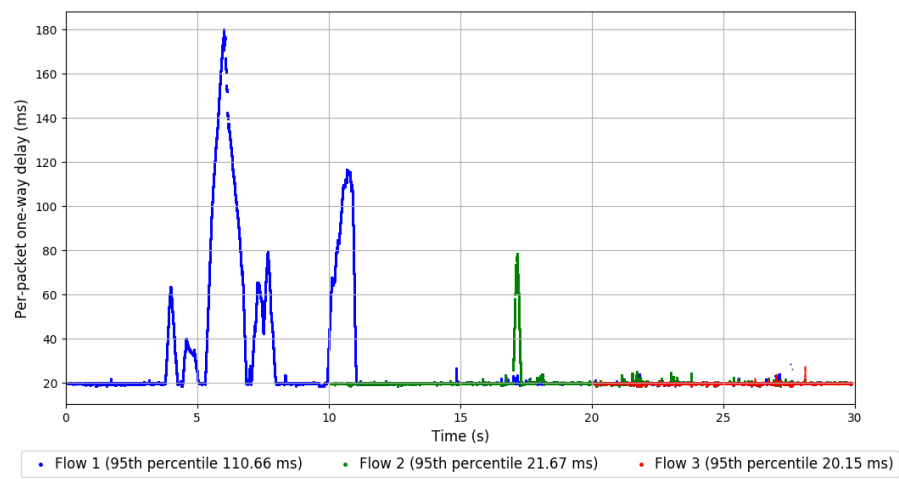
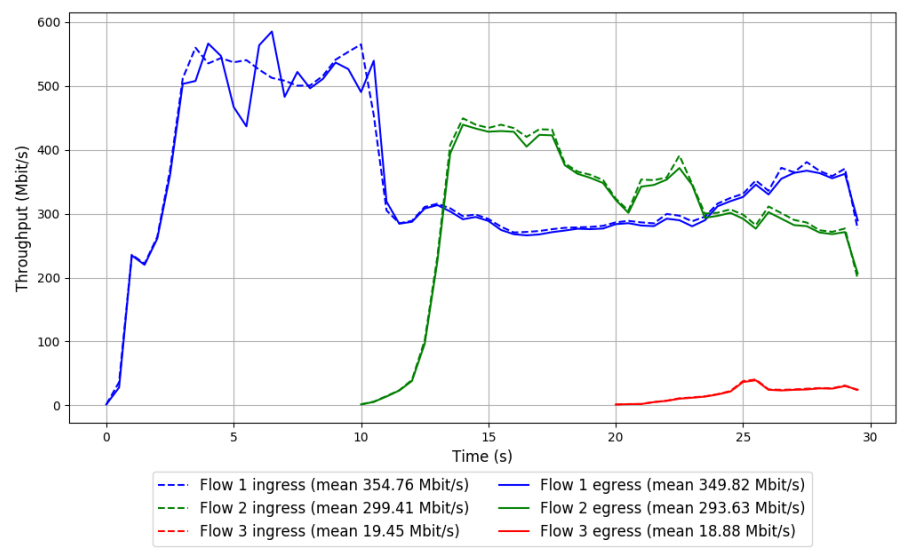


Run 3: Statistics of Vivace-loss

Start at: 2018-03-27 20:23:32
End at: 2018-03-27 20:24:02
Local clock offset: 2.047 ms
Remote clock offset: -5.246 ms

Below is generated by plot.py at 2018-03-28 04:26:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 551.27 Mbit/s
95th percentile per-packet one-way delay: 87.776 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 349.82 Mbit/s
95th percentile per-packet one-way delay: 110.662 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 293.63 Mbit/s
95th percentile per-packet one-way delay: 21.673 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 18.88 Mbit/s
95th percentile per-packet one-way delay: 20.152 ms
Loss rate: 2.90%

Run 3: Report of Vivace-loss — Data Link

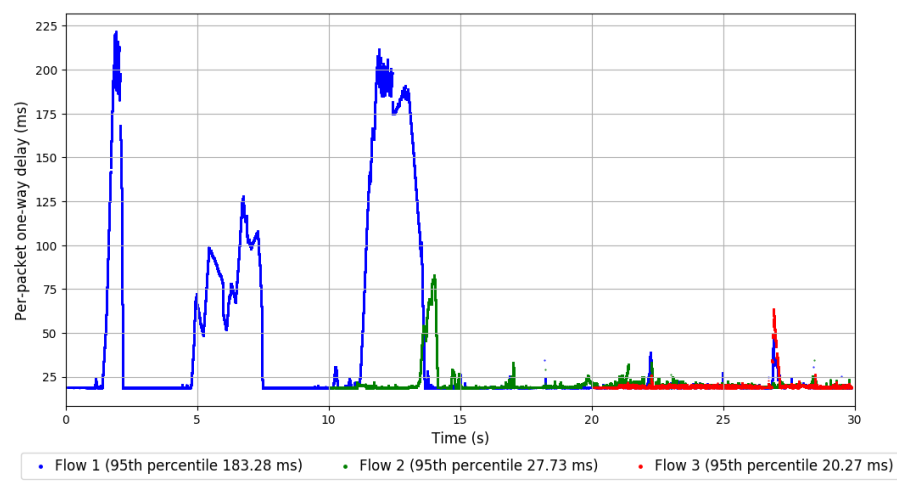
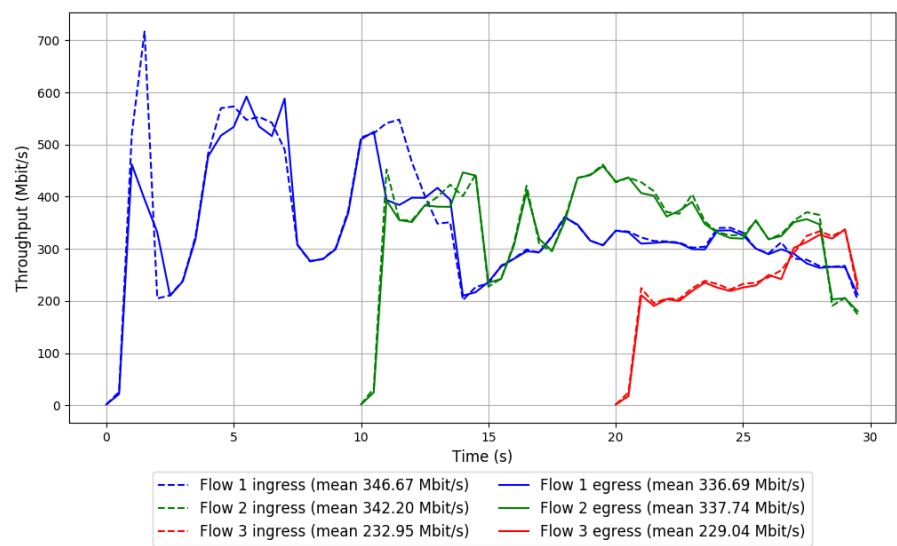


Run 4: Statistics of Vivace-loss

Start at: 2018-03-27 20:52:02
End at: 2018-03-27 20:52:32
Local clock offset: 1.037 ms
Remote clock offset: -5.508 ms

Below is generated by plot.py at 2018-03-28 04:28:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 636.68 Mbit/s
95th percentile per-packet one-way delay: 124.801 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 336.69 Mbit/s
95th percentile per-packet one-way delay: 183.281 ms
Loss rate: 2.88%
-- Flow 2:
Average throughput: 337.74 Mbit/s
95th percentile per-packet one-way delay: 27.727 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 229.04 Mbit/s
95th percentile per-packet one-way delay: 20.274 ms
Loss rate: 1.68%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-03-27 21:20:51

End at: 2018-03-27 21:21:21

Local clock offset: -0.5 ms

Remote clock offset: -4.9 ms

Below is generated by plot.py at 2018-03-28 04:29:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 656.65 Mbit/s

95th percentile per-packet one-way delay: 140.036 ms

Loss rate: 1.81%

-- Flow 1:

Average throughput: 371.53 Mbit/s

95th percentile per-packet one-way delay: 155.220 ms

Loss rate: 2.38%

-- Flow 2:

Average throughput: 346.46 Mbit/s

95th percentile per-packet one-way delay: 106.545 ms

Loss rate: 0.99%

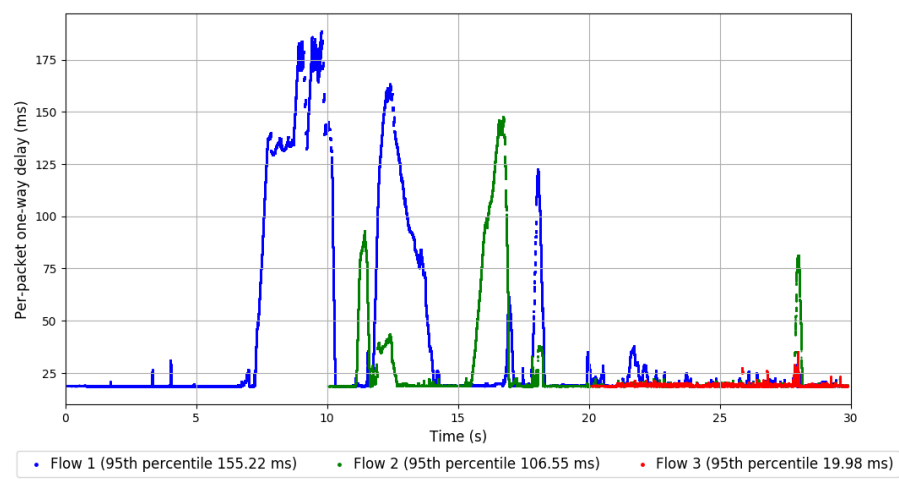
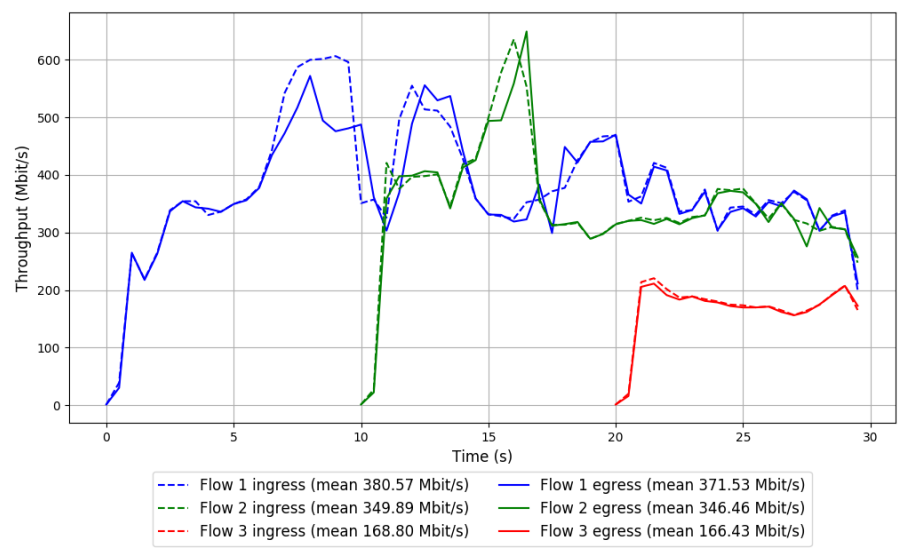
-- Flow 3:

Average throughput: 166.43 Mbit/s

95th percentile per-packet one-way delay: 19.975 ms

Loss rate: 1.41%

Run 5: Report of Vivace-loss — Data Link

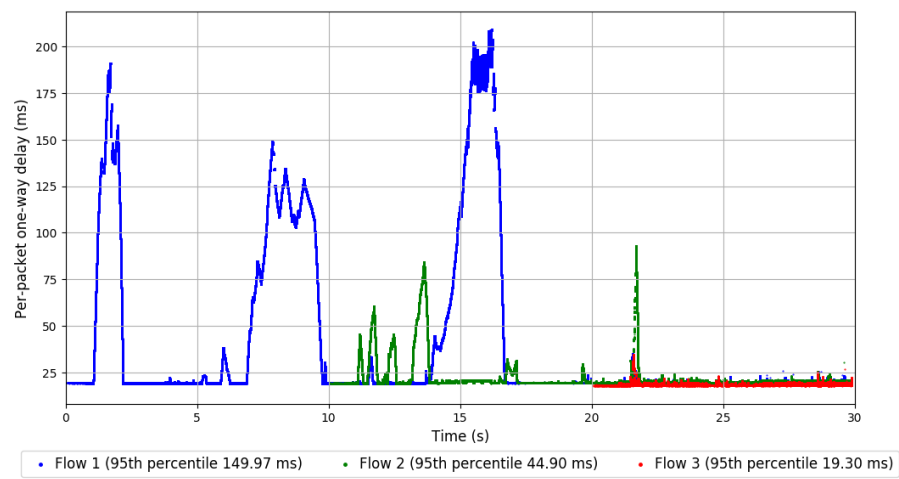
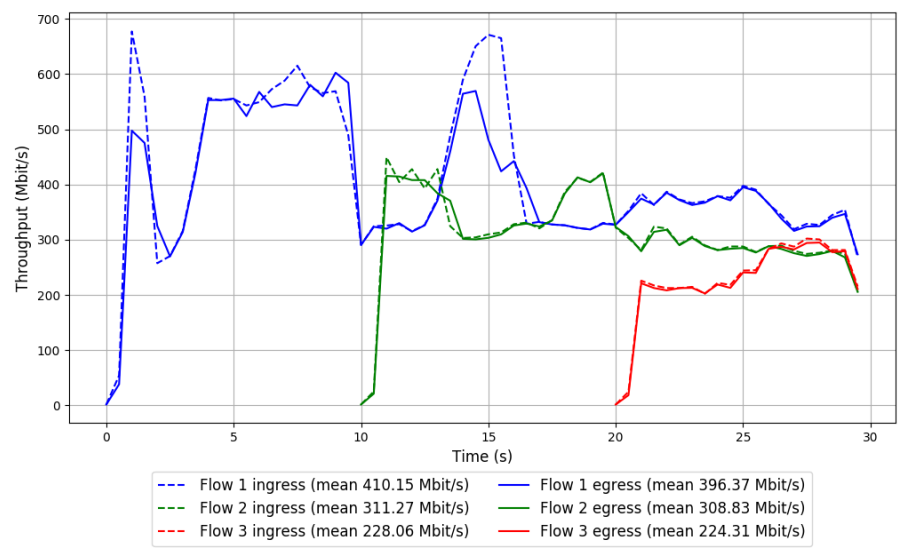


Run 6: Statistics of Vivace-loss

Start at: 2018-03-27 21:49:47
End at: 2018-03-27 21:50:17
Local clock offset: -2.243 ms
Remote clock offset: -4.238 ms

Below is generated by plot.py at 2018-03-28 04:30:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 675.53 Mbit/s
95th percentile per-packet one-way delay: 132.775 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 396.37 Mbit/s
95th percentile per-packet one-way delay: 149.975 ms
Loss rate: 3.36%
-- Flow 2:
Average throughput: 308.83 Mbit/s
95th percentile per-packet one-way delay: 44.903 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 224.31 Mbit/s
95th percentile per-packet one-way delay: 19.296 ms
Loss rate: 1.63%

Run 6: Report of Vivace-loss — Data Link

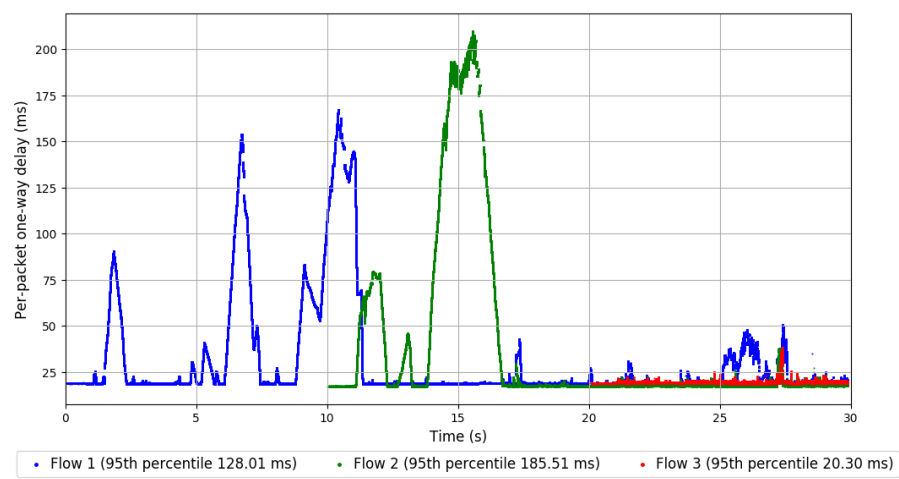
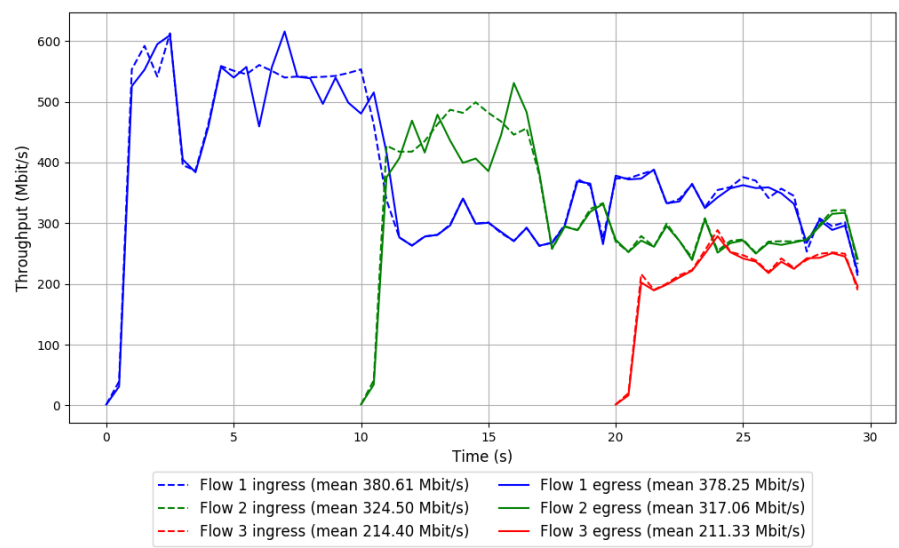


Run 7: Statistics of Vivace-loss

Start at: 2018-03-27 22:18:40
End at: 2018-03-27 22:19:10
Local clock offset: 1.533 ms
Remote clock offset: -6.016 ms

Below is generated by plot.py at 2018-03-28 04:31:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 658.69 Mbit/s
95th percentile per-packet one-way delay: 140.411 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 378.25 Mbit/s
95th percentile per-packet one-way delay: 128.015 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 317.06 Mbit/s
95th percentile per-packet one-way delay: 185.515 ms
Loss rate: 2.29%
-- Flow 3:
Average throughput: 211.33 Mbit/s
95th percentile per-packet one-way delay: 20.301 ms
Loss rate: 1.43%

Run 7: Report of Vivace-loss — Data Link

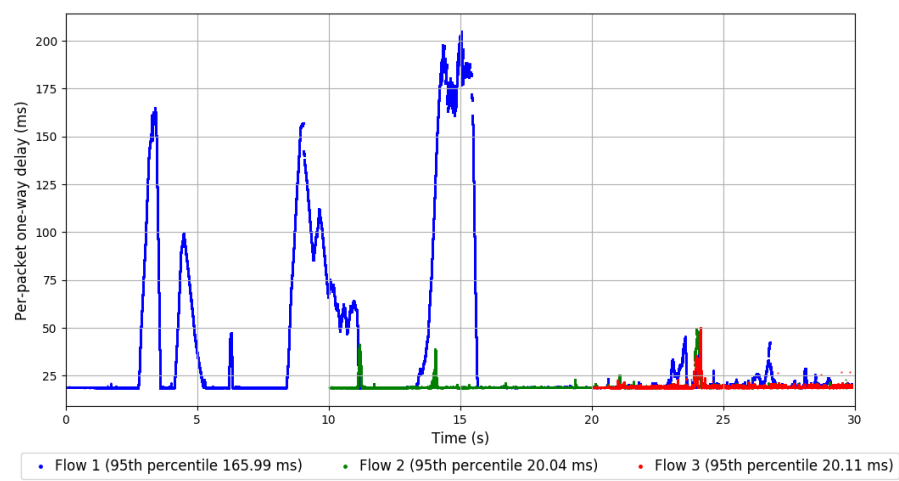
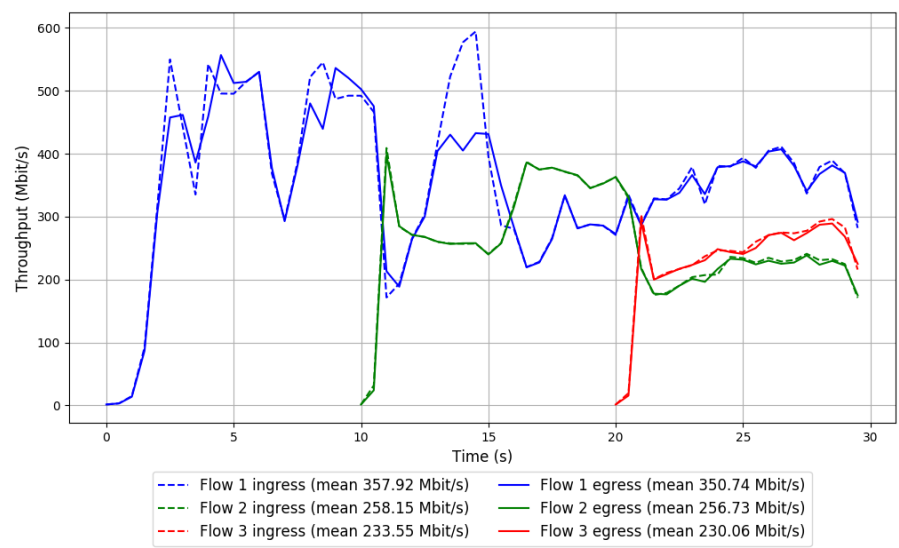


Run 8: Statistics of Vivace-loss

Start at: 2018-03-27 22:47:33
End at: 2018-03-27 22:48:03
Local clock offset: 0.838 ms
Remote clock offset: -6.586 ms

Below is generated by plot.py at 2018-03-28 04:31:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 597.17 Mbit/s
95th percentile per-packet one-way delay: 134.367 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 350.74 Mbit/s
95th percentile per-packet one-way delay: 165.993 ms
Loss rate: 2.00%
-- Flow 2:
Average throughput: 256.73 Mbit/s
95th percentile per-packet one-way delay: 20.042 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 230.06 Mbit/s
95th percentile per-packet one-way delay: 20.113 ms
Loss rate: 1.50%

Run 8: Report of Vivace-loss — Data Link

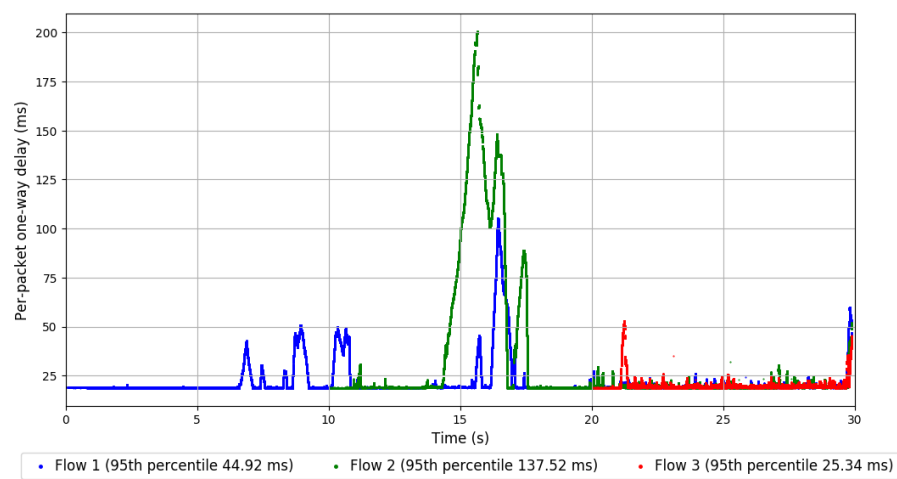
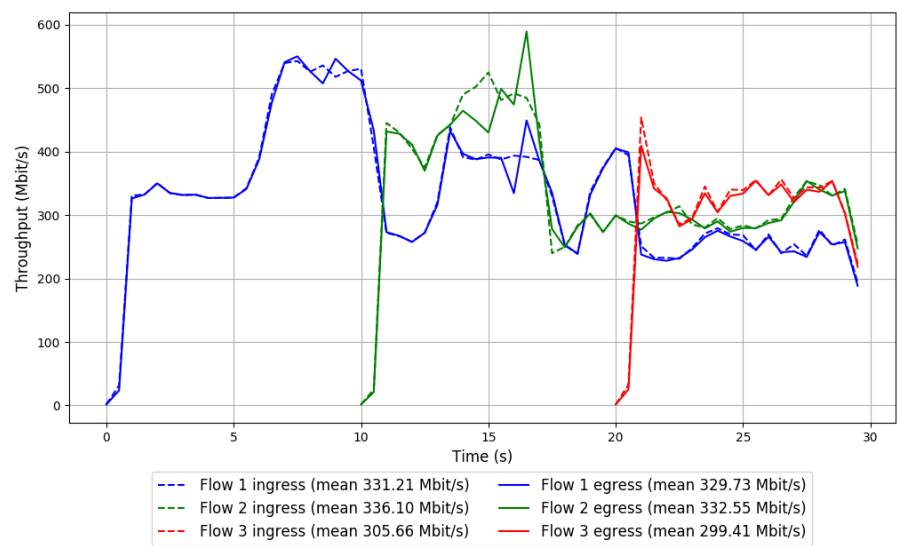


Run 9: Statistics of Vivace-loss

Start at: 2018-03-27 23:16:17
End at: 2018-03-27 23:16:47
Local clock offset: 2.766 ms
Remote clock offset: -6.476 ms

Below is generated by plot.py at 2018-03-28 04:35:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 649.37 Mbit/s
95th percentile per-packet one-way delay: 83.728 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 329.73 Mbit/s
95th percentile per-packet one-way delay: 44.918 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 332.55 Mbit/s
95th percentile per-packet one-way delay: 137.520 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 299.41 Mbit/s
95th percentile per-packet one-way delay: 25.338 ms
Loss rate: 2.01%

Run 9: Report of Vivace-loss — Data Link

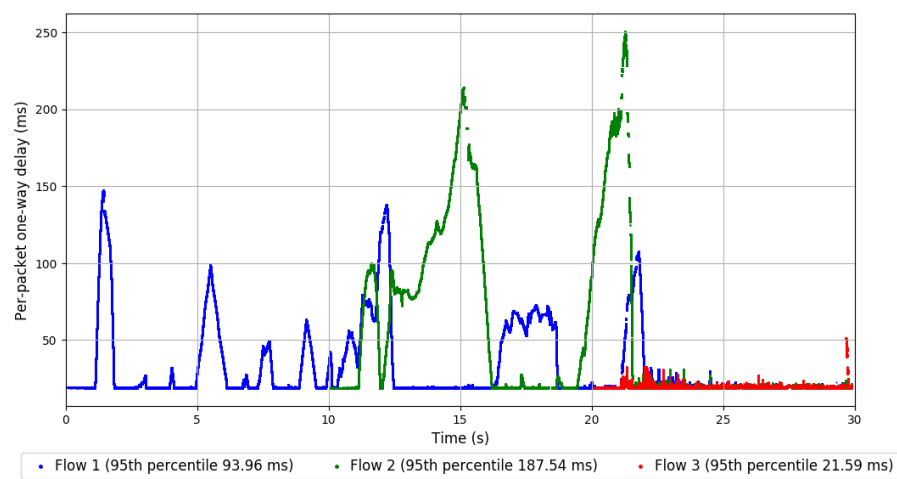
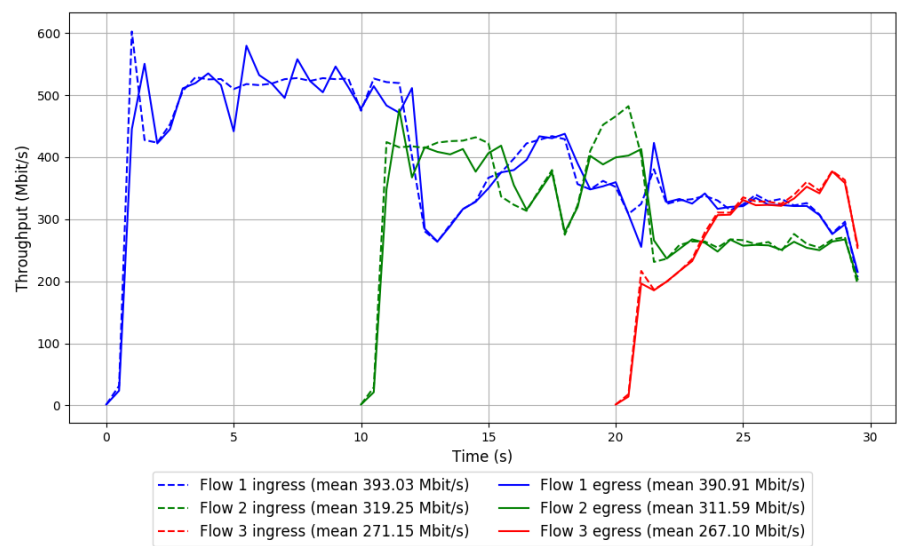


Run 10: Statistics of Vivace-loss

Start at: 2018-03-27 23:45:15
End at: 2018-03-27 23:45:45
Local clock offset: 2.8 ms
Remote clock offset: -5.928 ms

Below is generated by plot.py at 2018-03-28 04:37:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 685.96 Mbit/s
95th percentile per-packet one-way delay: 134.072 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 390.91 Mbit/s
95th percentile per-packet one-way delay: 93.962 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 311.59 Mbit/s
95th percentile per-packet one-way delay: 187.540 ms
Loss rate: 2.39%
-- Flow 3:
Average throughput: 267.10 Mbit/s
95th percentile per-packet one-way delay: 21.594 ms
Loss rate: 1.48%

Run 10: Report of Vivace-loss — Data Link

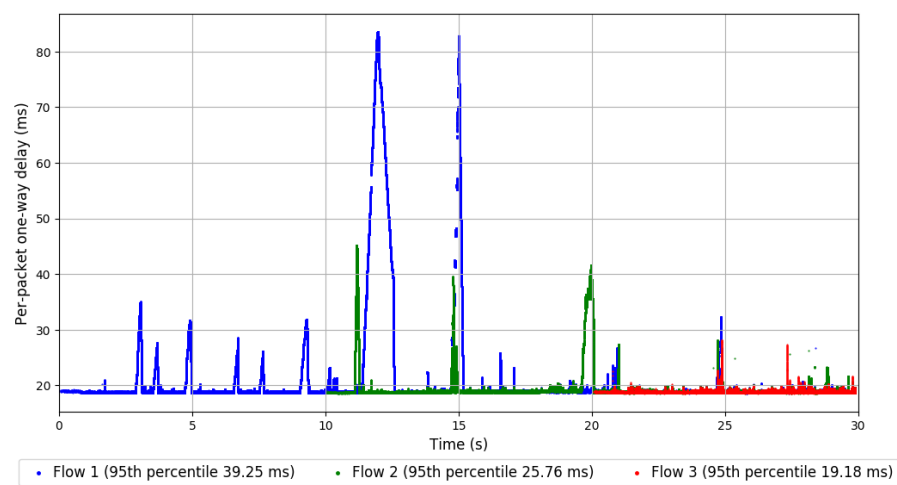
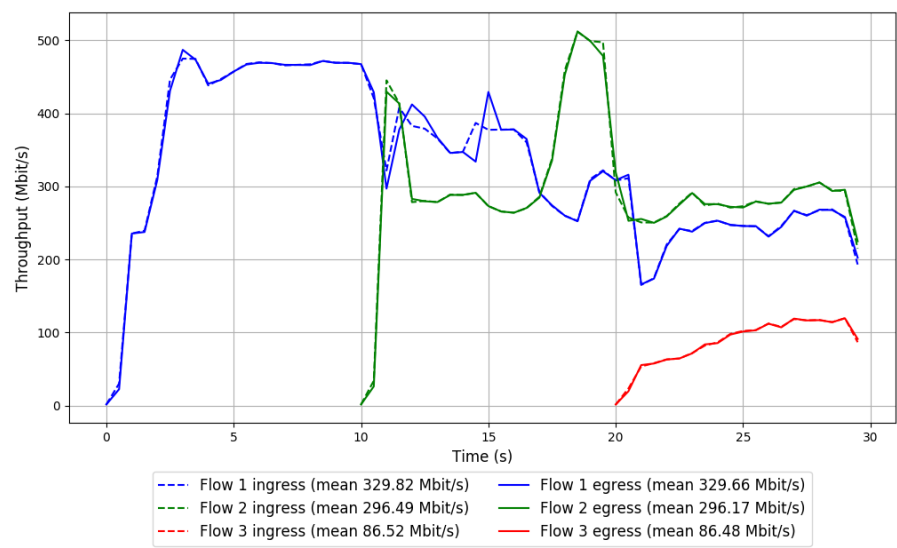


Run 1: Statistics of Vivace-LTE

Start at: 2018-03-27 19:29:56
End at: 2018-03-27 19:30:26
Local clock offset: -1.043 ms
Remote clock offset: -6.088 ms

Below is generated by plot.py at 2018-03-28 04:37:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 555.08 Mbit/s
95th percentile per-packet one-way delay: 31.528 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 329.66 Mbit/s
95th percentile per-packet one-way delay: 39.254 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 296.17 Mbit/s
95th percentile per-packet one-way delay: 25.758 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 86.48 Mbit/s
95th percentile per-packet one-way delay: 19.183 ms
Loss rate: 0.05%

Run 1: Report of Vivace-LTE — Data Link

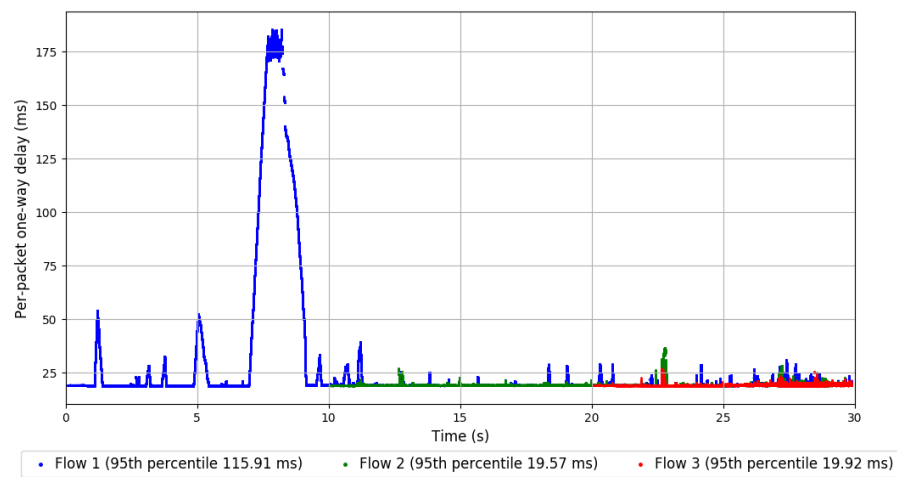
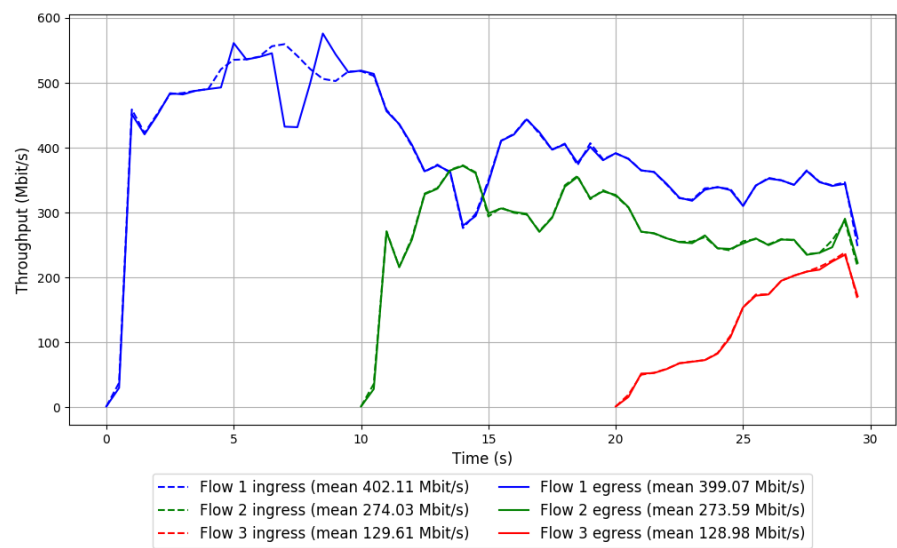


Run 2: Statistics of Vivace-LTE

Start at: 2018-03-27 19:58:27
End at: 2018-03-27 19:58:57
Local clock offset: -0.443 ms
Remote clock offset: -5.468 ms

Below is generated by plot.py at 2018-03-28 04:38:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 623.41 Mbit/s
95th percentile per-packet one-way delay: 53.686 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 399.07 Mbit/s
95th percentile per-packet one-way delay: 115.912 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 273.59 Mbit/s
95th percentile per-packet one-way delay: 19.568 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 128.98 Mbit/s
95th percentile per-packet one-way delay: 19.917 ms
Loss rate: 0.48%

Run 2: Report of Vivace-LTE — Data Link

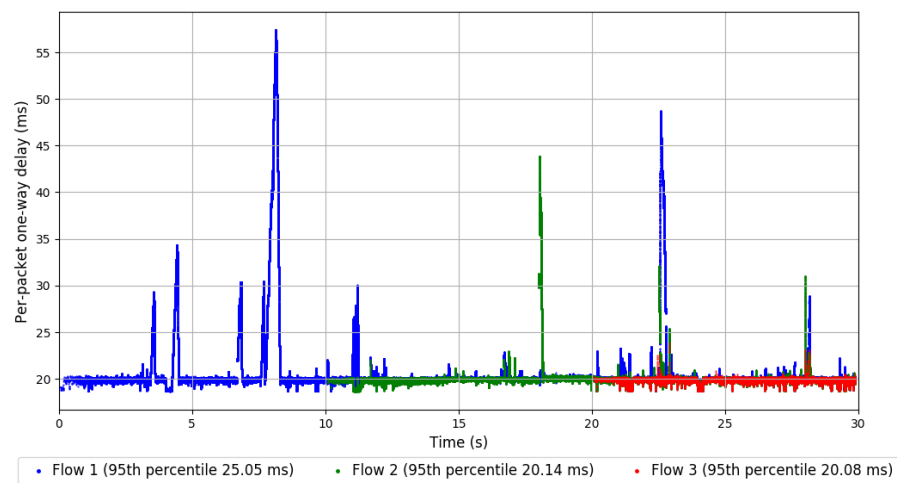
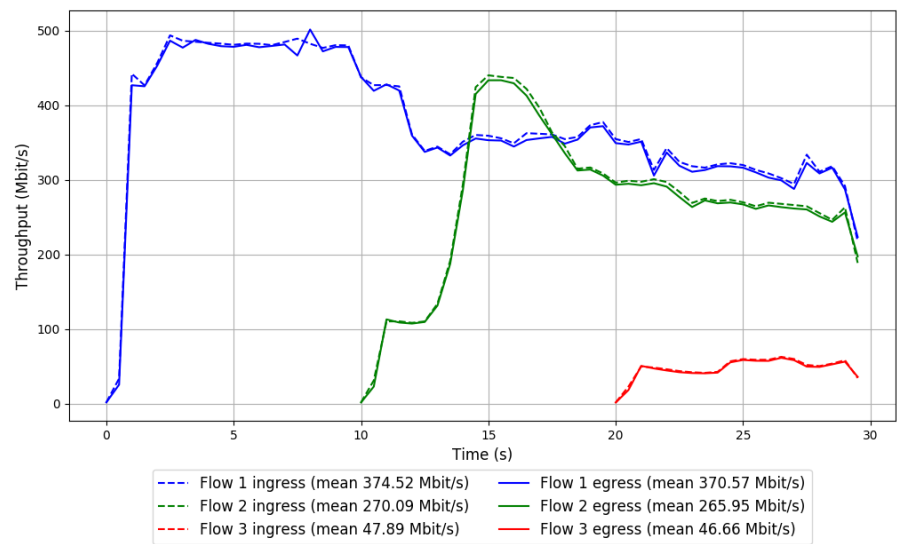


Run 3: Statistics of Vivace-LTE

Start at: 2018-03-27 20:27:01
End at: 2018-03-27 20:27:31
Local clock offset: 2.225 ms
Remote clock offset: -5.327 ms

Below is generated by plot.py at 2018-03-28 04:38:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 562.64 Mbit/s
95th percentile per-packet one-way delay: 21.886 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 370.57 Mbit/s
95th percentile per-packet one-way delay: 25.046 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 265.95 Mbit/s
95th percentile per-packet one-way delay: 20.143 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 46.66 Mbit/s
95th percentile per-packet one-way delay: 20.076 ms
Loss rate: 2.57%

Run 3: Report of Vivace-LTE — Data Link

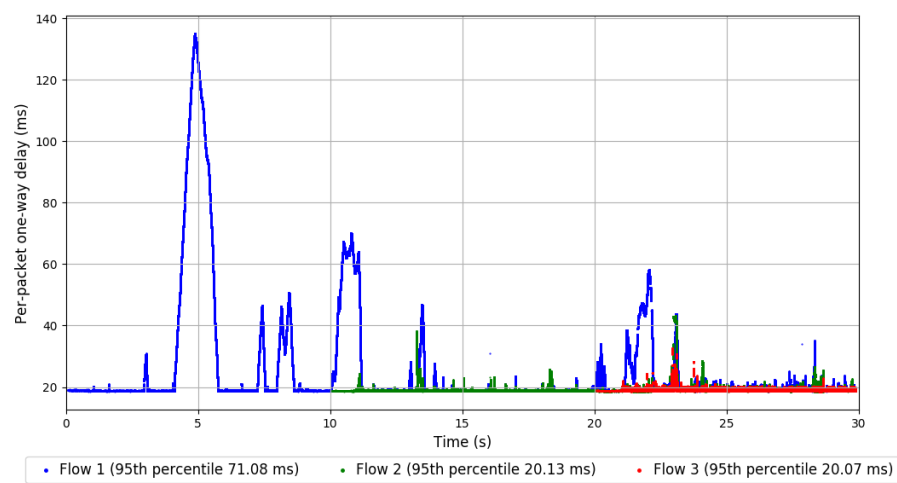
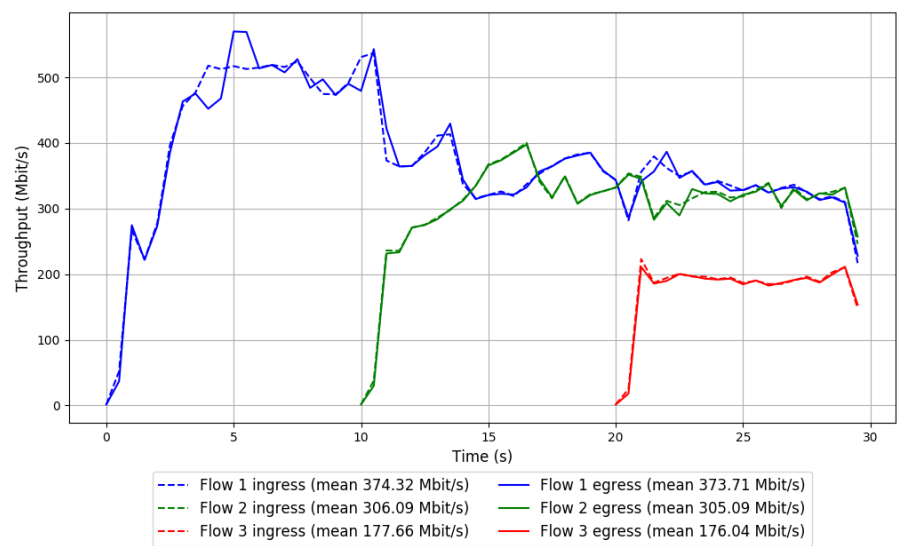


Run 4: Statistics of Vivace-LTE

Start at: 2018-03-27 20:55:36
End at: 2018-03-27 20:56:06
Local clock offset: 0.798 ms
Remote clock offset: -5.493 ms

Below is generated by plot.py at 2018-03-28 04:40:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 634.56 Mbit/s
95th percentile per-packet one-way delay: 57.865 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 373.71 Mbit/s
95th percentile per-packet one-way delay: 71.078 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 305.09 Mbit/s
95th percentile per-packet one-way delay: 20.127 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 176.04 Mbit/s
95th percentile per-packet one-way delay: 20.075 ms
Loss rate: 0.91%

Run 4: Report of Vivace-LTE — Data Link

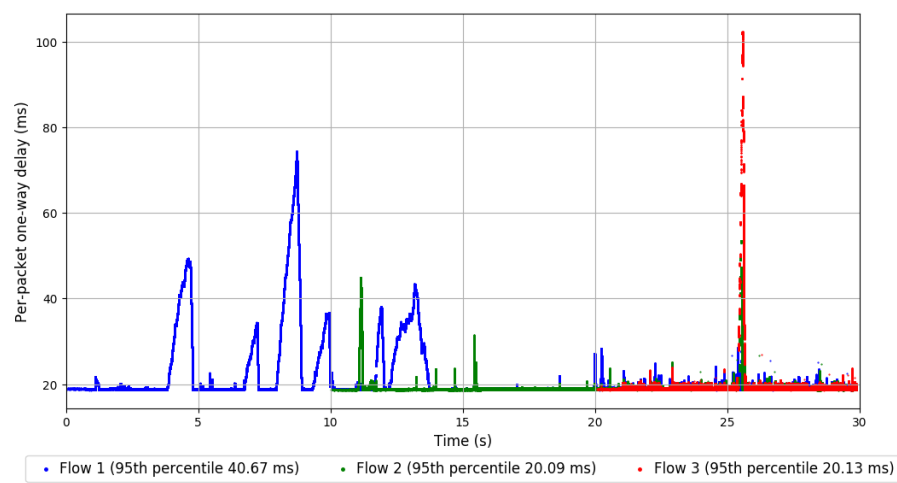
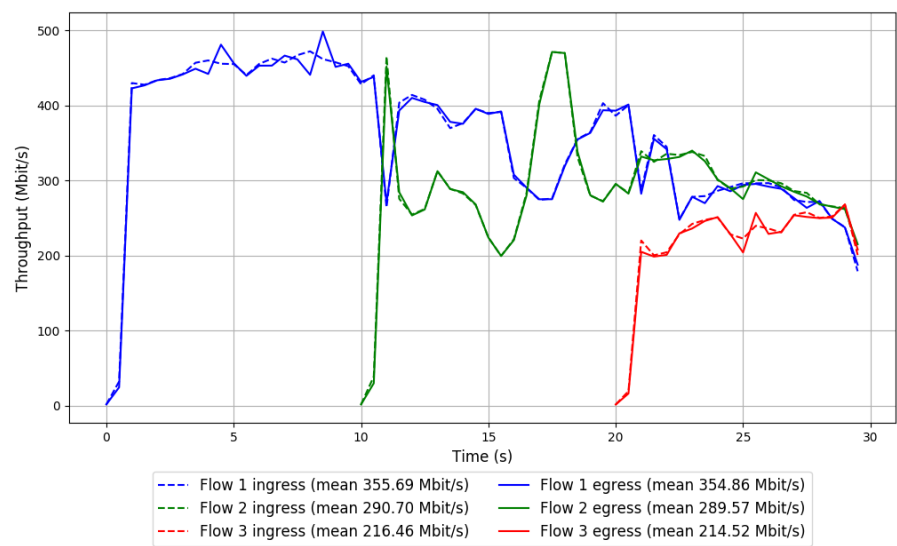


Run 5: Statistics of Vivace-LTE

Start at: 2018-03-27 21:24:23
End at: 2018-03-27 21:24:53
Local clock offset: -0.908 ms
Remote clock offset: -4.746 ms

Below is generated by plot.py at 2018-03-28 04:40:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 617.97 Mbit/s
95th percentile per-packet one-way delay: 35.223 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 354.86 Mbit/s
95th percentile per-packet one-way delay: 40.669 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 289.57 Mbit/s
95th percentile per-packet one-way delay: 20.085 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 214.52 Mbit/s
95th percentile per-packet one-way delay: 20.126 ms
Loss rate: 0.90%

Run 5: Report of Vivace-LTE — Data Link

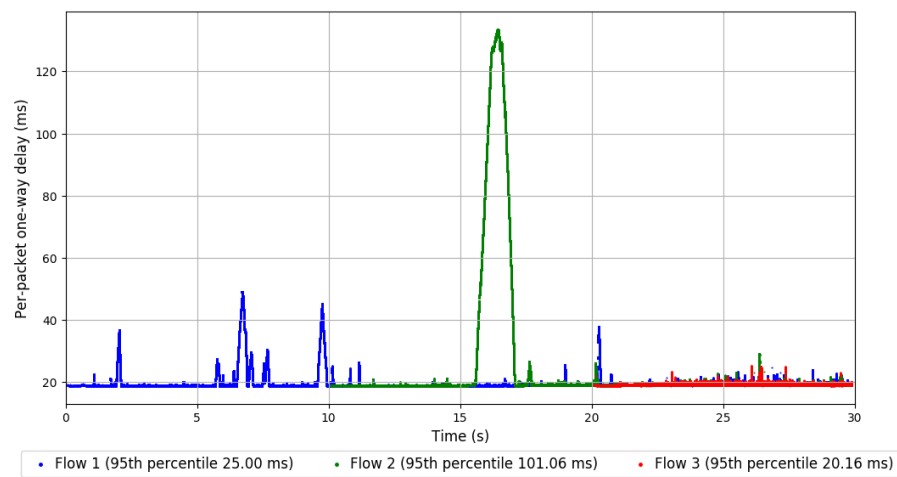
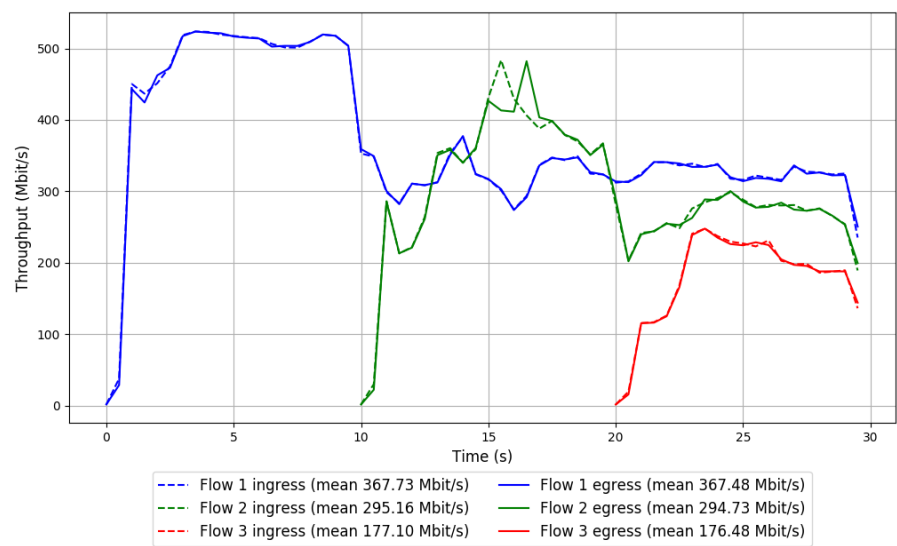


Run 6: Statistics of Vivace-LTE

Start at: 2018-03-27 21:53:28
End at: 2018-03-27 21:53:58
Local clock offset: -1.015 ms
Remote clock offset: -4.273 ms

Below is generated by plot.py at 2018-03-28 04:41:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 621.52 Mbit/s
95th percentile per-packet one-way delay: 29.928 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 367.48 Mbit/s
95th percentile per-packet one-way delay: 25.000 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 294.73 Mbit/s
95th percentile per-packet one-way delay: 101.062 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 176.48 Mbit/s
95th percentile per-packet one-way delay: 20.158 ms
Loss rate: 0.35%

Run 6: Report of Vivace-LTE — Data Link

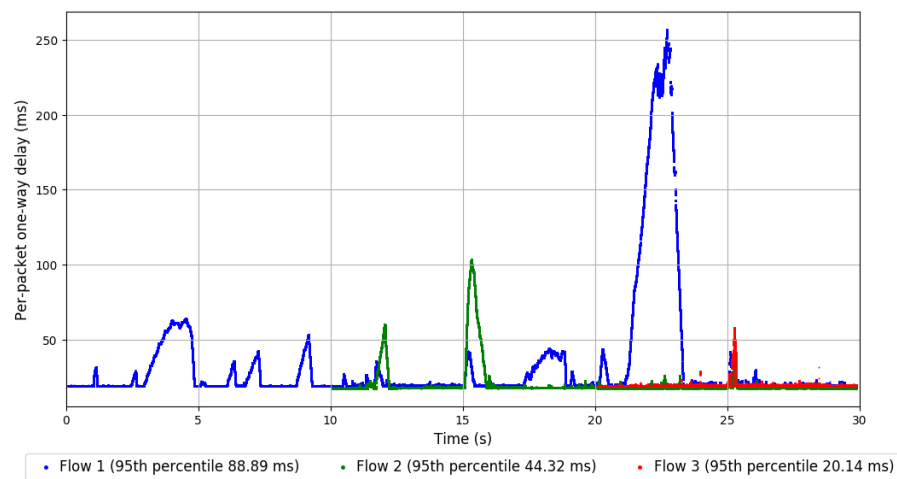
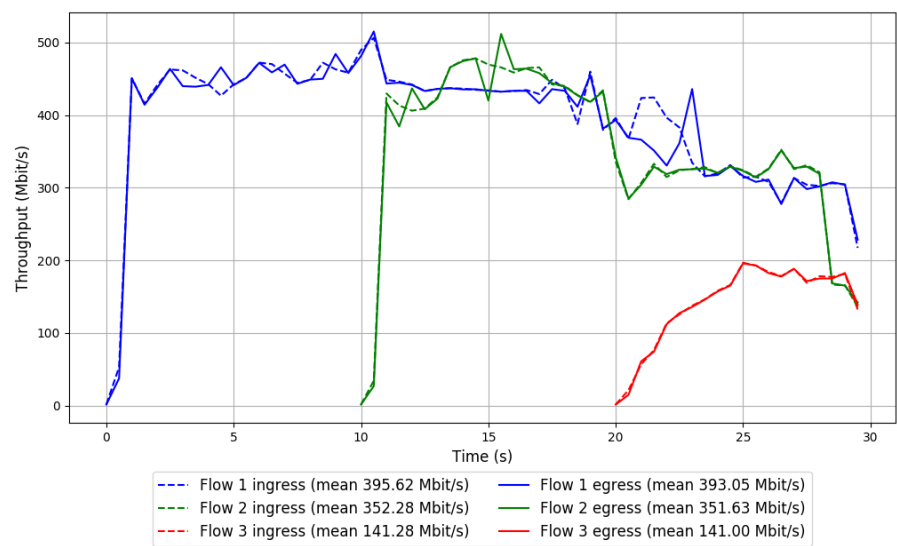


Run 7: Statistics of Vivace-LTE

Start at: 2018-03-27 22:22:13
End at: 2018-03-27 22:22:43
Local clock offset: 1.58 ms
Remote clock offset: -6.112 ms

Below is generated by plot.py at 2018-03-28 04:43:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 673.29 Mbit/s
95th percentile per-packet one-way delay: 61.300 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 393.05 Mbit/s
95th percentile per-packet one-way delay: 88.895 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 351.63 Mbit/s
95th percentile per-packet one-way delay: 44.319 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 141.00 Mbit/s
95th percentile per-packet one-way delay: 20.143 ms
Loss rate: 0.20%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-03-27 22:51:00

End at: 2018-03-27 22:51:30

Local clock offset: 0.742 ms

Remote clock offset: -6.58 ms

Below is generated by plot.py at 2018-03-28 04:43:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 600.29 Mbit/s

95th percentile per-packet one-way delay: 23.987 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 328.20 Mbit/s

95th percentile per-packet one-way delay: 28.634 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 305.68 Mbit/s

95th percentile per-packet one-way delay: 20.211 ms

Loss rate: 0.25%

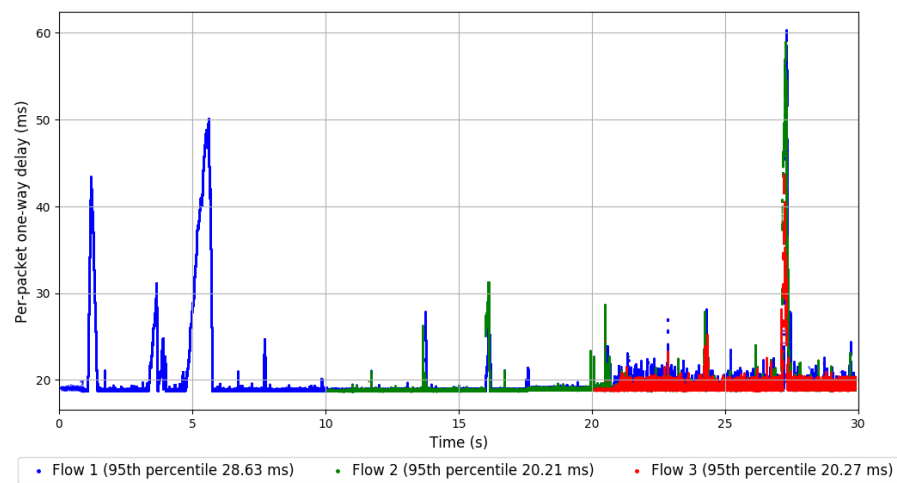
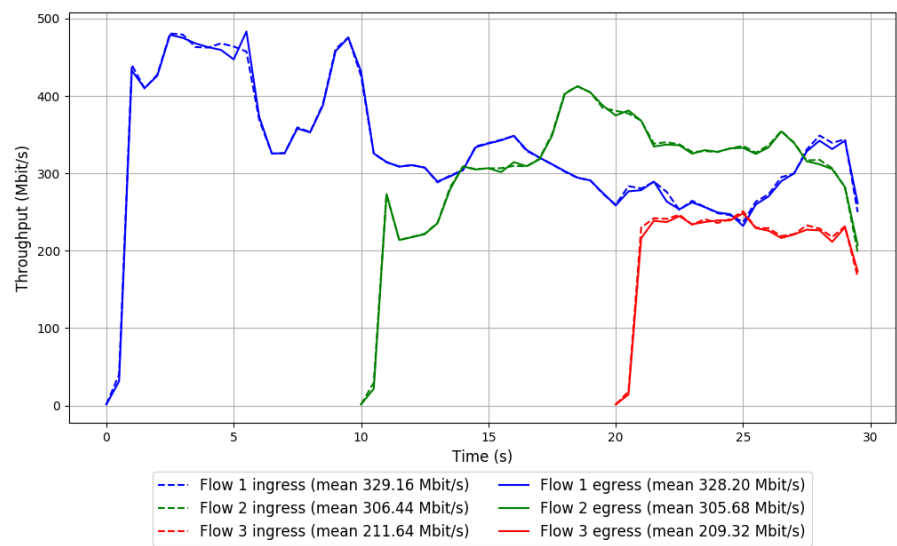
-- Flow 3:

Average throughput: 209.32 Mbit/s

95th percentile per-packet one-way delay: 20.275 ms

Loss rate: 1.09%

Run 8: Report of Vivace-LTE — Data Link

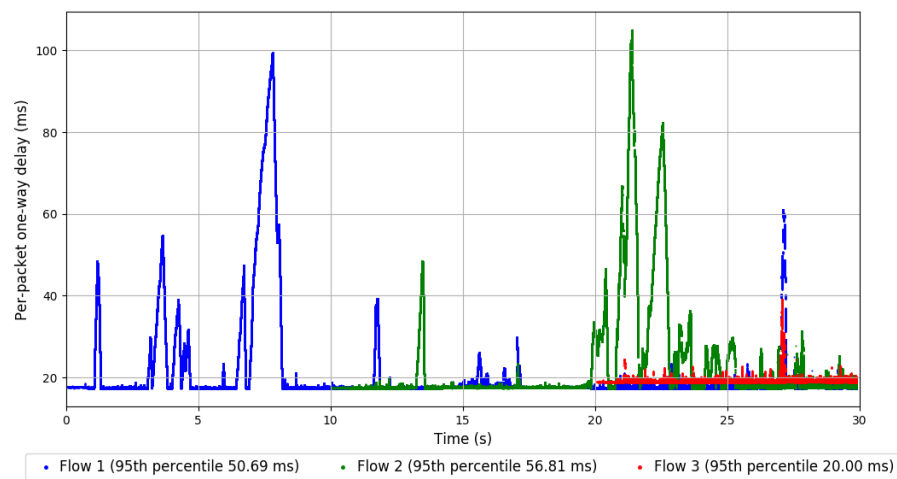
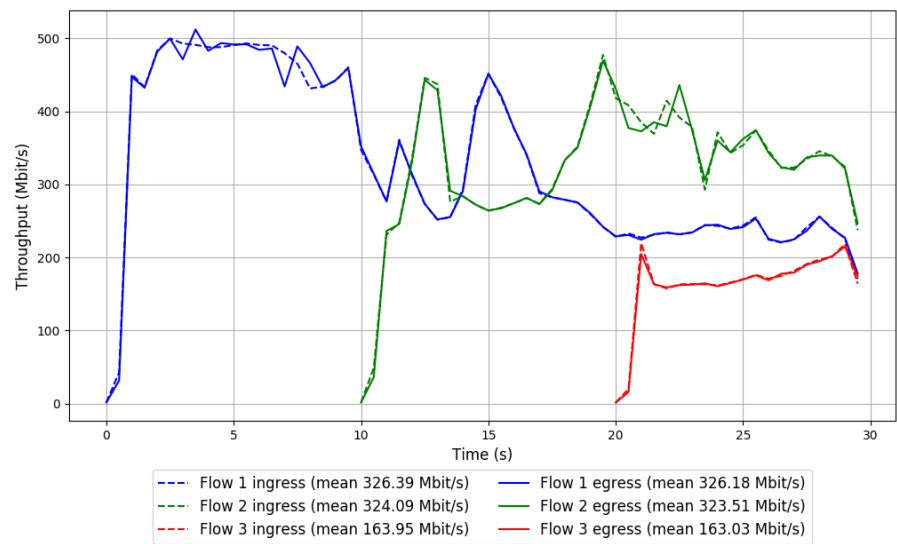


Run 9: Statistics of Vivace-LTE

Start at: 2018-03-27 23:19:50
End at: 2018-03-27 23:20:20
Local clock offset: 2.935 ms
Remote clock offset: -6.269 ms

Below is generated by plot.py at 2018-03-28 04:43:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 594.97 Mbit/s
95th percentile per-packet one-way delay: 50.546 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 326.18 Mbit/s
95th percentile per-packet one-way delay: 50.691 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 323.51 Mbit/s
95th percentile per-packet one-way delay: 56.809 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 163.03 Mbit/s
95th percentile per-packet one-way delay: 19.995 ms
Loss rate: 0.56%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-03-27 23:48:51
End at: 2018-03-27 23:49:21
Local clock offset: 2.892 ms
Remote clock offset: -5.359 ms

Below is generated by plot.py at 2018-03-28 04:43:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 604.76 Mbit/s
95th percentile per-packet one-way delay: 31.015 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 357.81 Mbit/s
95th percentile per-packet one-way delay: 40.314 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 333.41 Mbit/s
95th percentile per-packet one-way delay: 19.940 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 76.74 Mbit/s
95th percentile per-packet one-way delay: 17.640 ms
Loss rate: 0.11%

Run 10: Report of Vivace-LTE — Data Link

